ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_043

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

SUBMITTAL TO:
Pamela Moss
SHAW E&I, Inc.
9201 East Dry Creek
Centennial, CO 80112

SUBMITTAL BY:
Empirical Laboratories, LLC (EL)
621 Mainstream Drive, Suite 270
Nashville, TN 37228
Tel (615)345-1115
Fax (866)417-0548

LABORATORY CONTACT PERSON:
Project Manager: Jennifer Chandler
Tel (615)345-1115
Fax (866)417-0548
Email: jchandler@empirlabs.com

Original Report Date: March 1, 2012
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 946

THIS DOCUMENT MEETS DoD QSM 4.2 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.

Table of Contents

#	Description	Page No.
1	Cover Page	1
2	Table of Contents	2
3	Case Narrative	3
4	Sample Receipt Information Chain of Custody Forms Sample Receipt Confirmations WorkOrder Summary Sample Delivery Group (SDG) Sheets	11
5	Data for SW8260B Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	79
6	Data for SW8270C BNA Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	280
7	Data for SW8015B DRO Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	471
8	Data for SW8015B GRO Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	538
9	Data for SW8011 Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	623
10	Data for SW6010B Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	714
11	Data for Wet Chemistry Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	825

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. Sample prep and dilution information is provided within the final results report and at the beginning of each form set. 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 following surrogate exceeded criteria:
Dibromofluoromethane with a positive bias in 1202043-09 and 2B16015-BSD1

The following batch spikes exceeded criteria:
2B16015-BS1/BSD1 with a positive bias for Bromodichloromethane, Carbon Tetrachloride, 1,2-Dichloroethane, and 1,1,1-Trichloroethane and exceeded relative percent difference criteria for Trichlorofluoromethane

The following matrix spikes exceeded criteria:
2B08011-MS1/MSD1 (1202043-01) with a negative bias for 2,2-Dichloropropane
2B13011-MS1/MSD1 (1202069-09) with a negative bias for 2,2-Dichloroproane and exceeded relative percent difference criteria for Acetone

The following continuing calibration verifications exceeded criteria:
2B04105-CCV1 with a positive bias for 4-Methyl-2-pentanone
2B04405-CCV1 with a positive bias for 4-Methyl-2-pentanone
2B04502-CCV1 with a negative bias for Acetone and Chloromethane
2B04803-CCV1 with a positive bias for 2-Butanone

The following blanks have positive results:
2B07008-BLK1 for 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
2B08011-BLK1 for Hexachlorobutadiene, 1,2,3-Trichlorobenzene, and 1,2,4-Trichlorobenzene
2B10017-BLK1 for 1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene
2B13001-BLK1 for Hexachlorobutadiene
2B16015-BLK1 for Naphthalene

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

SW8270C BNA:
The following surrogates exceeded criteria:
2-Fluorophenol in 1202035-05, -09, 2B09015-BLK1
2-Fluorobiphenyl in 1202035-09

The following batch spikes exceeded criteria:
2B07004-BS1 with a negative bias for Caprolactam and a positive bias for Hexachlorobenzene
2B09015-BS1 with a negative bias for Caprolactam and a positive bias for Acenaphthylene, Acetophenone, Atrazine, Benzo(a)anthracene, 4-Bromophenyl-phenylether, Butylbenzylphthalate, 4-Chlorophenyl phenyl ether, Chrysene, Dibenzofuran, 3,3'-Dichlorobenzidine, Diethylphthalate, Dimethyl phthalate, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Bis(2-ethylhexyl)phthalate, Fluorene, Hexachlorobenzene, and 4-Nitroaniline
2B13003-BS1 with a negative bias for Caprolactam and Hexachloroethane and a positive bias for 2,4-Dinitrotoluene
2B14006-BS1 with a negative bias for Caprolactam

The following matrix spikes exceeded criteria:
2B09015-MS1/MSD1 (1202043-01) with a negative bias for Caprolactam, a positive bias for Atrazine, Benzo(a)anthracene, Butylbenzylphthalate, 4-Chlorophenyl phenyl ether, Chrysene, Dibenzofuran, Diethylphthalate, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Hexachlorobenzene, Hexachlorobutadiene, 2-Methylnaphthalene, Naphthalene,

4-Nitroaniline, and Pyrene, and exceeded relative percent difference criteria for 2,4-Dinitrophenol and 4-Nitrophenol
2B13003-MS2/MSD2 (1202069-09) with a negative bias for Caprolactam

The following continuing calibration verifications exceeded criteria:
2B04104-CCV1 with a positive bias for Benzidine, Benzo(g,h,i)perylene, 4-Chlorophenyl phenyl ether, Dibenz(a,h)anthracene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, and 2,4,6-Tribromophenol
2B04202-CCV1 with a negative bias for Benzaldehdye and 2,2'-Oxybis-1-chloropropane and a positive bias for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, Hexachlorobenzene, Pyrene, 2,4,6-Trichlorophenol, and 2,4,6-Tribromophenol
2B04613-CCV1 with a negative bias for Benzaldehyde, 1,2-Diphenylhydrazine, Nitrobenzene, N-nitroso-di-n-propylamine, Nitrobenzene-d5, and Phenol-d6
2B04614-CCV1 with a negative bias for Benzaldehyde, 1,2-Diphenylhydrazine, Nitrobenzene, Phenol, Nitrobenzene-d5, and Phenol-d6 and with a positive bias for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, and 2,4,6-Tribromophenol
2B05214-CCV1 with a negative bias for Fluoroanthene and a positive bias for Pyrene and Terphenyl-d14
2B05214-CCV2 with a positive bias for Benzidine

The following blank has a positive result:
2B09015-BLK1 for Caprolactam

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

SW8015B DRO:
The following surrogate exceeded the retention time window:
o-Terphenyl in 2B03806-CCV2, -CCV3, 1202035-07, and -09; note – the result bias due to retention time shift was determined to be negligible for all affected samples and QC

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

SW8015B GRO:
No anomalies or deviations are noted.

SW8011:
No anomalies or deviations are noted.

SW6010B:
The following continuing calibration verification exceeded criteria:
2B05201-CCV1 with a positive bias for Iron

The following matrix spikes exceeded criteria:
2B17004-MS2 (1202043-01) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked
2B23006-MS1/MSD1 (1202069-09) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

The following post spike exceeded criteria:
2B23006-PS1 (1202069-09) with a negative bias for Sodium and exceeded criteria for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

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

Wet Chemistry:
No anomalies or deviations are noted.

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

Analytical Report Terms and Qualifiers

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix. For DoD QSM 4.2 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 4.2 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 4.2 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 or an approved technical designee 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

1202035

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW169

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

Samples Shipment Date: 03 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616814

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Date: 2/3/12 Time: 1600
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) Date: 2/4/12 Time: 0815

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02 GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

1202055

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW169

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	250 mL HDPE	1 Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	250 mL HDPE	1 None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0381	KAFB3411-WG-GW0381-REG	03 FEB 2012	13:19	250 mL HDPE	1 HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	40 mL VOA VIAL	3 None except cool to 4 C	EDB by SW846 8011			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	40 mL VOA VIAL	3 HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	250 mL HDPE	1 HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	40 mL VOA VIAL	3 HCl<pH 2	VOCs by SW846 8260B			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	1000 mL A GLASS	1 None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	250 mL HDPE	1 H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	1000 mL A GLASS	2 None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	250 mL HDPE	1 Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	250 mL HDPE	1 None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0386	KAFB-106007-WG-GW0386-REG	03 FEB 2012	10:40	250 mL HDPE	1 HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	40 mL VOA VIAL	3 HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	1000 mL A GLASS	1 None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	40 mL VOA VIAL	3 None except cool to 4 C	EDB by SW846 8011			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	40 mL VOA VIAL	3 HCl<pH 2	VOCs by SW846 8260B			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	250 mL HDPE	1 HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	250 mL HDPE	1 HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	250 mL HDPE	1 Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	1000 mL A GLASS	2 None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	250 mL HDPE	1 H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0402	KAFB-106022-WG-GW0402-REG	03 FEB 2012	16:22	250 mL HDPE	1 None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	1000 mL A GLASS	1 None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	250 mL HDPE	1 HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	40 mL VOA VIAL	3 HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

1202035

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW169

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0419	KAFB-106042-WG-GW0419-REG	02 FEB 2012	14:44	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0498	KAFB-106107-WG-GW0498-REG	03 FEB 2012	12:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW8042-AB	FIELDQC-BW-GW8042-AB-AB	03 FEB 2012	10:40	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
GW8169-TB	FIELDQC-BW-GW8169-TB-TB	03 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/04/12 @ 0815

1. Tracking # 6814 (last 4 digits, FedEx) WO# 1202035

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.5 *Degrees Celsius + correction factor 0.0* = 0.5

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #____

I certify that I unloaded the cooler and answered questions 7-14 (intial) JD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JD

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JD

I certify that I attached a label with the unique LIMS number to each container (intial) JD

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#____

Additional Details:

Cooler Received/Opened On_ 02/04/12 @ 0815

1. Tracking # 6836 (last 4 digits, FedEx) WO# 1202035

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.8 *Degrees Celsius + correction factor 0.0* = 2.8

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) RC

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) [illegible]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) [illegible]

I certify that I attached a label with the unique LIMS number to each container (intial) [illegible]

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/04/12 @ 0815

1. Tracking # 6825 (last 4 digits, FedEx) WO# 1202035

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.0 *Degrees Celsius + correction factor 0.0* = 1.0

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JD

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) [illegible]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) [illegible]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) [illegible]

I certify that I attached a label with the unique LIMS number to each container (intial) [illegible]

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Shaw™
Shaw E & I, Inc.

'202043

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW170
Page 1 of 3

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

Samples Shipment Date: 06 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616847

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 Flammable Skin Irritant Poison B Radiological Unknown

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

1. Relinquished By (Signature/Affiliation) Date: 2-6-2012 Time: 1600
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) Date: 2/7/12 Time: 0830

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

Shaw™
Shaw E & I, Inc.

12002043

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW170

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0452	KAFB-106070-WG-GW0452-REG	06 FEB 2012	11:00	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
02	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0452-MS	KAFB-106070-WG-GW0452-MS-MS	06 FEB 2012	11:00	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
02	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0452-MSD	KAFB-106070-WG-GW0452-MSD-MSD	06 FEB 2012	11:00	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
03	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

Shaw™
Shaw E & I, Inc.

1202 2013

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW170

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
03	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0489	KAFB-106003-WG-GW0489-REG	06 FEB 2012	13:42	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
05	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0491	KAFB-106102-WG-GW0491-REG	06 FEB 2012	11:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
07	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0492	KAFB-106102-WG-GW0492-FD	06 FEB 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
09	GW8170-TB	FIELDQC-BW-GW8170-TB-TB	06 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/07/12 @ 0830

1. Tracking #_____6847_____(last 4 digits, FedEx) WO# 1202043

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.9 Degrees Celsius + correction factor 0.0 = 0.9

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

DRO IS UNPRESERVED

Cooler Received/Opened On_ 02/07/12 @ 0830

WO# 1202043

1. Tracking #_____6869_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened 0.8 Degrees Celsius + correction factor 0.0 = 0.8

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/07/12 @ 0830

1. Tracking #_6870_(last 4 digits, FedEx) WO# 1202043

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.6 *Degrees Celsius + correction factor 0.0* = 1.6

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES ...NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/07/12 @ 0830

1. Tracking #_6858_(last 4 digits, FedEx) WO# 1202043

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 09 Degrees Celsius + correction factor 0.0 = 09

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 4

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Shaw™
Shaw E & I, Inc.

1202054

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW171
Page 1 of 3

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

Samples Shipment Date: 07 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616880

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 Flammable Skin Irritant Poison B Radiological Unknown

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

1. Relinquished By (Signature/Affiliation) SHAW — Date: 2-7-2012 Time: 1600
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) — Date: 2/8/12 Time: 0900

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02 GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Shaw™
Shaw E & I, Inc.

1202054

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW171

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0453	KAFB-106071-WG-GW0453-REG	06 FEB 2012	15:40	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0454	KAFB-106072-WG-GW0454-REG	07 FEB 2012	11:51	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0483	KAFB-106097-WG-GW0483-REG	07 FEB 2012	12:57	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

1202054

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW171

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07 GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08 GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0484	KAFB-106098-WG-GW0484-REG	07 FEB 2012	10:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
09 GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
10 GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0485	KAFB-106098-WG-GW0485-FD	07 FEB 2012	10:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11 GW8171-TB	FIELDQC-BW-GW8171-TB-TB	07 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/08/12 @ 0900

WO# 12020054

1. Tracking #_____6880_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.1 Degrees Celsius + correction factor 0.0 = 2.1

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

DRO CONTAINERS ARE NOT PRESERVED

Cooler Received/Opened On_ 02/08/12 @ 0900

1. Tracking # 6906 (last 4 digits, FedEx) WO# 1202054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.9 Degrees Celsius + correction factor 0.0 = 1.9

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# _____

Additional Details:

Cooler Received/Opened On 02/08/12 @ 0900

1. Tracking # 6891 6886 6804 8/2 (last 4 digits, FedEx) WO# 1202054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.3 Degrees Celsius + correction factor 0.0 = 1.3

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# _____

Additional Details:

Shaw™
Shaw E & I, Inc.

1202069

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW172

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

Samples Shipment Date: 08 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616917

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 | Flammable | Skin Irritant | Poison B | Radiological | Unknown

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

1. Relinquished By (Signature/Affiliation) SHAW — Date: 2-8-2012 Time: 1600
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) — Date: 2/9/12 Time: 0840

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

Shaw
Shaw E & I, Inc.

1202069

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW172

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0408	KAFB-106031-WG-GW0408-REG	08 FEB 2012	13:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
03	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0426	KAFB-106047-WG-GW0426-REG	08 FEB 2012	12:53	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
05	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
06	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0427	KAFB-106048-WG-GW0427-REG	08 FEB 2012	10:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
07	GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by			N		

Shaw
Shaw E & I, Inc.

1202069

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW172

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
							SW846 6010C					
07 GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0479	KAFB-106094-WG-GW0479-REG	07 FEB 2012	15:44	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09 GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
10 GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0490	KAFB-106101-WG-GW0490-REG	07 FEB 2012	16:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
10 GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0490-MS	KAFB-106101-WG-GW0490-MS-MS	07 FEB 2012	16:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Shaw
Shaw E & I, Inc.

1202069

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW172

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0490-MSD	KAFB-106101-WG-GW0490-MSD-MSD	07 FEB 2012	16:21	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW8041-RB	FIELDQC-BW-GW8041-RB-ER	07 FEB 2012	13:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW8041-RB	FIELDQC-BW-GW8041-RB-ER	07 FEB 2012	13:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW8041-RB	FIELDQC-BW-GW8041-RB-ER	07 FEB 2012	13:20	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW8041-RB	FIELDQC-BW-GW8041-RB-ER	07 FEB 2012	13:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW8041-RB	FIELDQC-BW-GW8041-RB-ER	07 FEB 2012	13:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW8041-RB	FIELDQC-BW-GW8041-RB-ER	07 FEB 2012	13:20	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW8172-TB	FIELDQC-BW-GW8172-TB-TB	08 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/09/12 @ 0840

WO# R202069

1. Tracking # 6917 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened 0.1 *Degrees Celsius + correction factor 0.0* = 0.1

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...# _____

Additional Details:

DRO IS NOT PRESERVED

Cooler Received/Opened On_ 02/09/12 @ 0840

1. Tracking #_____69500_____(last 4 digits, FedEx) WO# 1202069

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.0 Degrees Celsius + correction factor 0.0 = 0.0

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES ...NO... and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO... Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/09/12 @ 0840

1. Tracking #_____6928_____(last 4 digits, FedEx) WO# 1202069

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.1 Degrees Celsius + correction factor 0.0 = 0.1

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/09/12 @ 0840

1. Tracking #_____ 6940 _____(last 4 digits, FedEx) WO# 1202069

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened 0.1 Degrees Celsius + correction factor 0.0 = 0.1

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 4

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/09/12 @ 0840

1. Tracking #_____6939_____(last 4 digits, FedEx) WO# 1202069

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.1 Degrees Celsius + correction factor 0.0 = _____

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 5

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Shaw™
Shaw E & I, Inc.

1202080

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW173

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

Samples Shipment Date: 09 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616961

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 | Flammable | Skin Irritant | Poison B | Radiological | Unknown

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

1. Relinquished By (Signature/Affiliation) SHAW — Date: 2-9-2012 Time: 1600
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) — Date: 2/1/12 Time: 800

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Shaw™
Shaw E & I, Inc.

1202080

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW173

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0406	KAFB-106029-WG-GW0406-REG	09 FEB 2012	11:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, ~~Magnesium, Sodium,~~ and Lead by SW846 6010C			N		
03	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0416	KAFB-106039-WG-GW0416-REG	09 FEB 2012	13:06	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0417	KAFB-106040-WG-GW0417-REG	09 FEB 2012	10:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

Shaw™
Shaw E & I, Inc.

202080

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW173

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0425	KAFB-106046-WG-GW0425-REG	08 FEB 2012	15:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
09	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
10	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0448	KAFB-106067-WG-GW0448-REG	08 FEB 2012	16:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW8173-TB	FIELDQC-BW-GW8173-TB-TB	09 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/10/12 @ 0820

1. Tracking #_____6961_____(last 4 digits, FedEx) WO# 1202080

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.3 *Degrees Celsius + correction factor* 0.0 = 0.3

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/10/12 @ 0820

1. Tracking #_____6972_____(last 4 digits, FedEx) WO# 1202090

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.4 *Degrees Celsius + correction factor 0.0* = 1.4

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? ...YES...NO...NA

If yes, how many and where: 1-FRONT & BACK

5. Were the seals intact, signed, and dated correctly? ...YES...NO...NA

6. Were custody papers inside cooler? ...YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES ...NO... and Intact ...YES...NO...NA

Were these signed and dated correctly? ...YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? ...YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? ...YES...NO...NA

12. Did all container labels and tags agree with custody papers? ...YES...NO...NA

13a. Were VOA vials received? ...YES...NO...NA

b. Was there any observable headspace present in any VOA vial? ...YES...NO...NA

14. Was there a Trip Blank in this cooler? ...YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? ...YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used ...YES...NO...NA

16. Was residual chlorine present? ...YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? ...YES...NO...NA

18. Did you sign the custody papers in the appropriate place? ...YES...NO...NA

19. Were correct containers used for the analysis requested? ...YES...NO...NA

20. Was sufficient amount of sample sent in each container? ...YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

Cooler Received/Opened On_ 02/10/12 @ 0820

1. Tracking #_____6983_____(last 4 digits, FedEx) WO# 1202080

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.4 *Degrees Celsius + correction factor 0.0* = 3.4

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES ...NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1-FRONT

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 3

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a NCR generated? YES...NO...#_____

Additional Details:

WORK ORDER **Printed: 3/1/2012 2:19:00PM**

1202035

Empirical Laboratories, LLC

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

Project Manager: **Jennifer Chandler**
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

Due to Client: 03/05/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Benjamin C. Wright
Date Received: 02/04/2012 08:15
Logged In By: Benjamin C. Wright
Date Logged In: 02/06/2012 09:13

Samples Received at: **0.5°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER **Printed: 3/1/2012 2:19:00PM**

1202035

Empirical Laboratories, LLC

Client: Shaw E & I (I700) **Project Manager:** Jennifer Chandler
Project: Kirtland AFB 2011 **Project Number:** SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202035-01 GW0381 [Water] Sampled 02/03/2012 13:19 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	02/22/2012 14:00	15	03/02/2012 14:19	Cl, SO4
SW8015B DR(	SGC_DRO_8015B_3510	02/22/2012 14:00	15	02/10/2012 14:19	
SW8011	SGC_EDB_8011	02/22/2012 14:00	15	02/17/2012 14:19	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/22/2012 14:00	15	02/17/2012 14:19	
SW8260B	VOC_8260B_REG	02/22/2012 14:00	15	02/17/2012 14:19	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	02/22/2012 14:00	15	08/01/2012 14:19	Ca, Pb, K, Na, Mg
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/22/2012 14:00	15	03/02/2012 14:19	
E353.2	WC_NO3NO2_N_353.2	02/22/2012 14:00	15	03/02/2012 14:19	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/22/2012 14:00	15	02/10/2012 14:19	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/22/2012 14:00	15	02/10/2012 14:19	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	02/22/2012 14:00	15	02/17/2012 14:19	carb/bicarb
1202035-02 GW0381 [Water] Sampled 02/03/2012 13:19 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/22/2012 14:00	15	08/01/2012 14:19	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:19:00PM

1202035

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202035-03 GW0386 [Water] Sampled 02/03/2012 10:40 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/22/2012 14:00	15	02/10/2012 11:40	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	02/22/2012 14:00	15	02/17/2012 11:40	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/22/2012 14:00	15	02/10/2012 11:40	
SW6010B	MET_ICP_6010B_FULL	02/22/2012 14:00	15	08/01/2012 11:40	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	02/22/2012 14:00	15	02/17/2012 11:40	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/22/2012 14:00	15	02/17/2012 11:40	carb/bicarb
SW8015B GR(	VGC_GRO_8015B	02/22/2012 14:00	15	02/17/2012 11:40	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/22/2012 14:00	15	03/02/2012 11:40	
E353.2	WC_NO3NO2_N_353.2	02/22/2012 14:00	15	03/02/2012 11:40	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/22/2012 14:00	15	02/10/2012 11:40	
E300.0	WC_ANIONS_300.0 (Regular)	02/22/2012 14:00	15	03/02/2012 11:40	Cl, SO4
1202035-04 GW0386 [Water] Sampled 02/03/2012 10:40 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/22/2012 14:00	15	08/01/2012 11:40	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:19:00PM

1202035

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202035-05 GW0402 [Water] Sampled 02/03/2012 16:22 Mountain					
SM2320B	WC_ALKALINITY_2320B	02/22/2012 14:00	15	02/17/2012 17:22	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	02/22/2012 14:00	15	03/02/2012 17:22	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/22/2012 14:00	15	03/02/2012 17:22	
SW8260B	VOC_8260B_REG	02/22/2012 14:00	15	02/17/2012 17:22	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	02/22/2012 14:00	15	02/10/2012 17:22	
SW8011	SGC_EDB_8011	02/22/2012 14:00	15	02/17/2012 17:22	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/22/2012 14:00	15	02/17/2012 17:22	
E353.2	WC_NO3NO2_N_353.2	02/22/2012 14:00	15	03/02/2012 17:22	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/22/2012 14:00	15	02/10/2012 17:22	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/22/2012 14:00	15	02/10/2012 17:22	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	02/22/2012 14:00	15	08/01/2012 17:22	Ca, Pb, K, Na, Mg
1202035-06 GW0402 [Water] Sampled 02/03/2012 16:22 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/22/2012 14:00	15	08/01/2012 17:22	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:19:00PM

1202035

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202035-07 GW0419 [Water] Sampled 02/02/2012 14:44 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/22/2012 14:00	15	02/09/2012 15:44	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/22/2012 14:00	15	02/09/2012 15:44	
SW6010B	MET_ICP_6010B_FULL	02/22/2012 14:00	15	07/31/2012 15:44	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	02/22/2012 14:00	15	03/01/2012 15:44	
E300.0	WC_ANIONS_300.0 (Regular)	02/22/2012 14:00	15	03/01/2012 15:44	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/22/2012 14:00	15	03/01/2012 15:44	
SM2320B	WC_ALKALINITY_2320B	02/22/2012 14:00	15	02/16/2012 15:44	carb/bicarb
SW8015B GR(	VGC_GRO_8015B	02/22/2012 14:00	15	02/16/2012 15:44	
SW8011	SGC_EDB_8011	02/22/2012 14:00	15	02/16/2012 15:44	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/22/2012 14:00	15	02/09/2012 15:44	
SW8260B	VOC_8260B_REG	02/22/2012 14:00	15	02/16/2012 15:44	naphthalene must be reported
1202035-08 GW0419 [Water] Sampled 02/02/2012 14:44 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/22/2012 14:00	15	07/31/2012 15:44	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:19:00PM

1202035

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202035-09 GW0498 [Water] Sampled 02/03/2012 12:32 Mountain					
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/22/2012 14:00	15	03/02/2012 13:32	
SW6010B	MET_ICP_6010B_FULL	02/22/2012 14:00	15	08/01/2012 13:32	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/22/2012 14:00	15	02/10/2012 13:32	
SW8011	SGC_EDB_8011	02/22/2012 14:00	15	02/17/2012 13:32	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/22/2012 14:00	15	02/17/2012 13:32	
SM2320B	WC_ALKALINITY_2320B	02/22/2012 14:00	15	02/17/2012 13:32	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	02/22/2012 14:00	15	03/02/2012 13:32	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/22/2012 14:00	15	03/02/2012 13:32	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/22/2012 14:00	15	02/10/2012 13:32	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/22/2012 14:00	15	02/10/2012 13:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	02/22/2012 14:00	15	02/17/2012 13:32	naphthalene must be reported
1202035-10 GW0498 [Water] Sampled 02/02/2012 12:32 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/22/2012 14:00	15	07/31/2012 13:32	Fe & Mn
1202035-11 GW8042-AB [Water] Sampled 02/03/2012 10:40 Mountain					
SW8260B	VOC_8260B_REG	02/22/2012 14:00	15	02/17/2012 11:40	naphthalene must be reported
1202035-12 GW8169-TB [Water] Sampled 02/03/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/22/2012 14:00	15	02/17/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/1/2012 2:20:10PM

1202043

Empirical Laboratories, LLC

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

Project Manager: **Jennifer Chandler**
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

Due to Client: 03/05/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Benjamin C. Wright
Date Received: 02/07/2012 08:30
Logged In By: Benjamin C. Wright
Date Logged In: 02/07/2012 12:20

Samples Received at: **0.9°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 3/1/2012 2:20:10PM

1202043

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202043-01 GW0452 [Water] Sampled 02/06/2012 11:00 Mountain					**MS/MSD.**
SM2320B	WC_ALKALINITY_2320B	02/23/2012 14:00	15	02/20/2012 12:00	MS/MSD.carb/bicarb
SW6010B	MET_ICP_6010B_FULL	02/23/2012 14:00	15	08/04/2012 12:00	MS/MSD.Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/23/2012 14:00	15	02/13/2012 12:00	MS/MSD.
SW8011	SGC_EDB_8011	02/23/2012 14:00	15	02/20/2012 12:00	MS/MSD.Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	02/23/2012 14:00	15	02/20/2012 12:00	MS/MSD.naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/23/2012 14:00	15	03/05/2012 12:00	MS/MSD.
E300.0	WC_ANIONS_300.0 (Regular)	02/23/2012 14:00	15	03/05/2012 12:00	MS/MSD.Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/23/2012 14:00	15	03/05/2012 12:00	MS/MSD.
SM4500S2CF	WC_SULFIDE_4500S2CF	02/23/2012 14:00	15	02/13/2012 12:00	MS/MSD.
SW8015B GR(	VGC_GRO_8015B	02/23/2012 14:00	15	02/20/2012 12:00	MS/MSD.
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/23/2012 14:00	15	02/13/2012 12:00	MS/MSD.requires 3-Methlphenol/4-Methylphenol/Naphthal
1202043-02 GW0452 [Water] Sampled 02/06/2012 11:00 Mountain					**MS/MSD.**
SW6010B	MET_ICP_6010B_FULL_DIS	02/23/2012 14:00	15	08/04/2012 12:00	MS/MSD.Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:20:10PM

1202043

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202043-03 GW0489 [Water] Sampled 02/06/2012 13:42 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	02/23/2012 14:00	15	03/05/2012 14:42	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	02/23/2012 14:00	15	02/13/2012 14:42	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/23/2012 14:00	15	02/13/2012 14:42	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	02/23/2012 14:00	15	02/20/2012 14:42	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	02/23/2012 14:00	15	03/05/2012 14:42	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/23/2012 14:00	15	03/05/2012 14:42	
SW6010B	MET_ICP_6010B_FULL	02/23/2012 14:00	15	08/04/2012 14:42	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	02/23/2012 14:00	15	02/20/2012 14:42	.Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/23/2012 14:00	15	02/20/2012 14:42	
SW8260B	VOC_8260B_REG	02/23/2012 14:00	15	02/20/2012 14:42	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	02/23/2012 14:00	15	02/13/2012 14:42	
1202043-04 GW0489 [Water] Sampled 02/06/2012 13:42 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/23/2012 14:00	15	08/04/2012 14:42	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:20:10PM

1202043

Empirical Laboratories, LLC

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

Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202043-05 GW0491 [Water] Sampled 02/06/2012 11:13 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	02/23/2012 14:00	15	02/13/2012 12:13	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/23/2012 14:00	15	02/13/2012 12:13	
E353.2	WC_NO3NO2_N_353.2	02/23/2012 14:00	15	03/05/2012 12:13	
E300.0	WC_ANIONS_300.0 (Regular)	02/23/2012 14:00	15	03/05/2012 12:13	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/23/2012 14:00	15	03/05/2012 12:13	
SM2320B	WC_ALKALINITY_2320B	02/23/2012 14:00	15	02/20/2012 12:13	carb/bicarb
SW8260B	VOC_8260B_REG	02/23/2012 14:00	15	02/20/2012 12:13	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	02/23/2012 14:00	15	08/04/2012 12:13	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	02/23/2012 14:00	15	02/20/2012 12:13	.Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/23/2012 14:00	15	02/13/2012 12:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GR(	VGC_GRO_8015B	02/23/2012 14:00	15	02/20/2012 12:13	
1202043-06 GW0491 [Water] Sampled 02/06/2012 11:13 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/23/2012 14:00	15	08/04/2012 12:13	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:20:10PM

1202043

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202043-07 GW0492 [Water] Sampled 02/06/2012 11:13 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/23/2012 14:00	15	02/13/2012 12:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	02/23/2012 14:00	15	08/04/2012 12:13	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/23/2012 14:00	15	02/13/2012 12:13	
SW8011	SGC_EDB_8011	02/23/2012 14:00	15	02/20/2012 12:13	.Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/23/2012 14:00	15	02/20/2012 12:13	
SW8260B	VOC_8260B_REG	02/23/2012 14:00	15	02/20/2012 12:13	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/23/2012 14:00	15	02/20/2012 12:13	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/23/2012 14:00	15	03/05/2012 12:13	
E300.0	WC_ANIONS_300.0 (Regular)	02/23/2012 14:00	15	03/05/2012 12:13	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/23/2012 14:00	15	03/05/2012 12:13	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/23/2012 14:00	15	02/13/2012 12:13	
1202043-08 GW0492 [Water] Sampled 02/06/2012 11:13 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/23/2012 14:00	15	08/04/2012 12:13	Fe & Mn
1202043-09 GW8170-TB [Water] Sampled 02/06/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/23/2012 14:00	15	02/20/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/1/2012 2:21:01PM

1202054

Empirical Laboratories, LLC

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

Project Manager: **Jennifer Chandler**
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

Due to Client: 03/05/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Benjamin C. Wright
Date Received: 02/08/2012 09:00
Logged In By: Benjamin C. Wright
Date Logged In: 02/08/2012 14:51

Samples Received at: **2.1°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 3/1/2012 2:21:01PM

1202054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202054-01 GW0453 [Water] Sampled 02/06/2012 15:40 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/24/2012 14:00	15	02/13/2012 16:40	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	02/24/2012 14:00	15	02/13/2012 16:40	
SW8011	SGC_EDB_8011	02/24/2012 14:00	15	02/20/2012 16:40	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/24/2012 14:00	15	02/20/2012 16:40	
SW8260B	VOC_8260B_REG	02/24/2012 14:00	15	02/20/2012 16:40	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/24/2012 14:00	15	02/20/2012 16:40	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/24/2012 14:00	15	03/05/2012 16:40	
E300.0	WC_ANIONS_300.0 (Regular)	02/24/2012 14:00	15	03/05/2012 16:40	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	02/24/2012 14:00	15	08/04/2012 16:40	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	02/24/2012 14:00	15	02/13/2012 16:40	
E353.2	WC_NO3NO2_N_353.2	02/24/2012 14:00	15	03/05/2012 16:40	
1202054-02 GW0453 [Water] Sampled 02/06/2012 15:40 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/24/2012 14:00	15	08/04/2012 16:40	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:01PM

1202054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202054-03 GW0454 [Water] Sampled 02/07/2012 11:51 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/24/2012 14:00	15	02/14/2012 12:51	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	02/24/2012 14:00	15	02/21/2012 12:51	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/24/2012 14:00	15	02/21/2012 12:51	
SW6010B	MET_ICP_6010B_FULL	02/24/2012 14:00	15	08/05/2012 12:51	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/24/2012 14:00	15	02/14/2012 12:51	
SM2320B	WC_ALKALINITY_2320B	02/24/2012 14:00	15	02/21/2012 12:51	carb/bicarb
SW8011	SGC_EDB_8011	02/24/2012 14:00	15	02/21/2012 12:51	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	02/24/2012 14:00	15	03/06/2012 12:51	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/24/2012 14:00	15	03/06/2012 12:51	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/24/2012 14:00	15	03/06/2012 12:51	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/24/2012 14:00	15	02/14/2012 12:51	
1202054-04 GW0454 [Water] Sampled 02/07/2012 11:51 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/24/2012 14:00	15	08/05/2012 12:51	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:01PM

1202054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202054-05 GW0483 [Water] Sampled 02/07/2012 12:57 Mountain					
SW8011	SGC_EDB_8011	02/24/2012 14:00	15	02/21/2012 13:57	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/24/2012 14:00	15	02/14/2012 13:57	
E300.0	WC_ANIONS_300.0 (Regular)	02/24/2012 14:00	15	03/06/2012 13:57	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	02/24/2012 14:00	15	02/14/2012 13:57	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/24/2012 14:00	15	02/14/2012 13:57	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	02/24/2012 14:00	15	08/05/2012 13:57	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/24/2012 14:00	15	02/21/2012 13:57	
SW8260B	VOC_8260B_REG	02/24/2012 14:00	15	02/21/2012 13:57	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/24/2012 14:00	15	02/21/2012 13:57	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/24/2012 14:00	15	03/06/2012 13:57	
E353.2	WC_NO3NO2_N_353.2	02/24/2012 14:00	15	03/06/2012 13:57	
1202054-06 GW0483 [Water] Sampled 02/07/2012 12:57 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/24/2012 14:00	15	08/05/2012 13:57	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:01PM

1202054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202054-07 GW0484 [Water] Sampled 02/07/2012 10:37 Mountain					
SW8260B	VOC_8260B_REG	02/24/2012 14:00	15	02/21/2012 11:37	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/24/2012 14:00	15	02/14/2012 11:37	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/24/2012 14:00	15	02/14/2012 11:37	
SW8015B GR(	VGC_GRO_8015B	02/24/2012 14:00	15	02/21/2012 11:37	
E353.2	WC_NO3NO2_N_353.2	02/24/2012 14:00	15	03/06/2012 11:37	
E300.0	WC_ANIONS_300.0 (Regular)	02/24/2012 14:00	15	03/06/2012 11:37	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	02/24/2012 14:00	15	02/21/2012 11:37	carb/bicarb
SW8011	SGC_EDB_8011	02/24/2012 14:00	15	02/21/2012 11:37	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/24/2012 14:00	15	02/14/2012 11:37	
SW6010B	MET_ICP_6010B_FULL	02/24/2012 14:00	15	08/05/2012 11:37	Ca, Pb, K, Na, Mg
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/24/2012 14:00	15	03/06/2012 11:37	
1202054-08 GW0484 [Water] Sampled 02/07/2012 10:37 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/24/2012 14:00	15	08/05/2012 11:37	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:01PM

1202054

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202054-09 GW0485 [Water] Sampled 02/07/2012 10:37 Mountain					
SW6010B	MET_ICP_6010B_FULL	02/24/2012 14:00	15	08/05/2012 11:37	Ca, Pb, K, Na, Mg
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/24/2012 14:00	15	03/06/2012 11:37	
SW8015B DR(	SGC_DRO_8015B_3510	02/24/2012 14:00	15	02/14/2012 11:37	
SW8011	SGC_EDB_8011	02/24/2012 14:00	15	02/21/2012 11:37	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/24/2012 14:00	15	02/21/2012 11:37	
SM2320B	WC_ALKALINITY_2320B	02/24/2012 14:00	15	02/21/2012 11:37	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	02/24/2012 14:00	15	03/06/2012 11:37	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/24/2012 14:00	15	03/06/2012 11:37	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/24/2012 14:00	15	02/14/2012 11:37	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/24/2012 14:00	15	02/14/2012 11:37	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	02/24/2012 14:00	15	02/21/2012 11:37	naphthalene must be reported
1202054-10 GW0485 [Water] Sampled 02/07/2012 10:37 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/24/2012 14:00	15	08/05/2012 11:37	Fe & Mn
1202054-11 GW8171-TB [Water] Sampled 02/07/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/24/2012 14:00	15	02/21/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/1/2012 2:21:41PM

1202069

Empirical Laboratories, LLC

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

Project Manager: **Jennifer Chandler**
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

Due to Client: 03/05/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Benjamin C. Wright
Date Received: 02/09/2012 08:40
Logged In By: Benjamin C. Wright
Date Logged In: 02/09/2012 16:36

Samples Received at: **0.1°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	No		

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER **Printed: 3/1/2012 2:21:41PM**

1202069

Empirical Laboratories, LLC

Client: Shaw E & I (I700) **Project Manager:** Jennifer Chandler
Project: Kirtland AFB 2011 **Project Number:** SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202069-01 GW0408 [Water] Sampled 02/08/2012 13:36 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	02/27/2012 14:00	15	03/07/2012 14:36	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	02/27/2012 14:00	15	08/06/2012 14:36	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	02/27/2012 14:00	15	02/22/2012 14:36	naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/27/2012 14:00	15	03/07/2012 14:36	
SW8015B DR(	SGC_DRO_8015B_3510	02/27/2012 14:00	15	02/15/2012 14:36	
SW8011	SGC_EDB_8011	02/27/2012 14:00	15	02/22/2012 14:36	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/27/2012 14:00	15	02/22/2012 14:36	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/27/2012 14:00	15	02/15/2012 14:36	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/27/2012 14:00	15	02/15/2012 14:36	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	02/27/2012 14:00	15	03/07/2012 14:36	
SM2320B	WC_ALKALINITY_2320B	02/27/2012 14:00	15	02/22/2012 14:36	carb/bicarb
1202069-02 GW0408 [Water] Sampled 02/08/2012 13:36 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/27/2012 14:00	15	08/06/2012 14:36	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:41PM

1202069

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202069-03 GW0426 [Water] Sampled 02/08/2012 12:53 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	02/27/2012 14:00	15	02/15/2012 13:53	
SM2320B	WC_ALKALINITY_2320B	02/27/2012 14:00	15	02/22/2012 13:53	carb/bicarb
SW8260B	VOC_8260B_REG	02/27/2012 14:00	15	02/22/2012 13:53	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	02/27/2012 14:00	15	08/06/2012 13:53	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/27/2012 14:00	15	02/15/2012 13:53	
SW8011	SGC_EDB_8011	02/27/2012 14:00	15	02/22/2012 13:53	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	02/27/2012 14:00	15	03/07/2012 13:53	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/27/2012 14:00	15	02/15/2012 13:53	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E300.0	WC_ANIONS_300.0 (Regular)	02/27/2012 14:00	15	03/07/2012 13:53	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/27/2012 14:00	15	03/07/2012 13:53	
SW8015B GR(	VGC_GRO_8015B	02/27/2012 14:00	15	02/22/2012 13:53	
1202069-04 GW0426 [Water] Sampled 02/08/2012 12:53 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/27/2012 14:00	15	08/06/2012 13:53	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:41PM

1202069

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202069-05 GW0427 [Water] Sampled 02/08/2012 10:37 Mountain					
SW8260B	VOC_8260B_REG	02/27/2012 14:00	15	02/22/2012 11:37	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	02/27/2012 14:00	15	02/15/2012 11:37	
E353.2	WC_NO3NO2_N_353.2	02/27/2012 14:00	15	03/07/2012 11:37	
E300.0	WC_ANIONS_300.0 (Regular)	02/27/2012 14:00	15	03/07/2012 11:37	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/27/2012 14:00	15	02/15/2012 11:37	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GR(	VGC_GRO_8015B	02/27/2012 14:00	15	02/22/2012 11:37	
SW8011	SGC_EDB_8011	02/27/2012 14:00	15	02/22/2012 11:37	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/27/2012 14:00	15	02/15/2012 11:37	
SW6010B	MET_ICP_6010B_FULL	02/27/2012 14:00	15	08/06/2012 11:37	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	02/27/2012 14:00	15	02/22/2012 11:37	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/27/2012 14:00	15	03/07/2012 11:37	
1202069-06 GW0427 [Water] Sampled 02/08/2012 10:37 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/27/2012 14:00	15	08/06/2012 11:37	Fe & Mn

WORK ORDER **Printed: 3/1/2012 2:21:41PM**

1202069

Empirical Laboratories, LLC

Client: Shaw E & I (I700) **Project Manager:** Jennifer Chandler
Project: Kirtland AFB 2011 **Project Number:** SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202069-07 GW0479 [Water] Sampled 02/07/2012 15:44 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	02/27/2012 14:00	15	02/14/2012 16:44	
SW8260B	VOC_8260B_REG	02/27/2012 14:00	15	02/21/2012 16:44	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/27/2012 14:00	15	02/21/2012 16:44	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/27/2012 14:00	15	03/06/2012 16:44	
E300.0	WC_ANIONS_300.0 (Regular)	02/27/2012 14:00	15	03/06/2012 16:44	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/27/2012 14:00	15	03/06/2012 16:44	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/27/2012 14:00	15	02/14/2012 16:44	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/27/2012 14:00	15	02/14/2012 16:44	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	02/27/2012 14:00	15	02/21/2012 16:44	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	02/27/2012 14:00	15	08/05/2012 16:44	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/27/2012 14:00	15	02/21/2012 16:44	
1202069-08 GW0479 [Water] Sampled 02/07/2012 15:44 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/27/2012 14:00	15	08/05/2012 16:44	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:41PM

1202069

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202069-09 GW0490 [Water] Sampled 02/07/2012 16:21 Mountain					**MS/MSD.**
E300.0	WC_ANIONS_300.0 (Regular)	02/27/2012 14:00	15	03/06/2012 17:21	MS/MSD.Cl, SO4
SW8015B DR(	SGC_DRO_8015B_3510	02/27/2012 14:00	15	02/14/2012 17:21	MS/MSD.
SW8011	SGC_EDB_8011	02/27/2012 14:00	15	02/21/2012 17:21	MS/MSD.Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/27/2012 14:00	15	02/21/2012 17:21	MS/MSD.
SW8260B	VOC_8260B_REG	02/27/2012 14:00	15	02/21/2012 17:21	MS/MSD.naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/27/2012 14:00	15	03/06/2012 17:21	MS/MSD.
E353.2	WC_NO3NO2_N_353.2	02/27/2012 14:00	15	03/06/2012 17:21	MS/MSD.
SW6010B	MET_ICP_6010B_FULL	02/27/2012 14:00	15	08/05/2012 17:21	MS/MSD.Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	02/27/2012 14:00	15	02/21/2012 17:21	MS/MSD.carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	02/27/2012 14:00	15	02/14/2012 17:21	MS/MSD.
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/27/2012 14:00	15	02/14/2012 17:21	MS/MSD.requires 3-Methlphenol/4-Methylphenol/Naphthal
1202069-10 GW0490 [Water] Sampled 02/07/2012 16:21 Mountain					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	02/27/2012 14:00	15	08/05/2012 17:21	MS/MSD.Fe & Mn
1202069-11 GW8041-RB [Water] Sampled 02/07/2012 13:20 Mountain					
SW8015B GR(	VGC_GRO_8015B	02/27/2012 14:00	15	02/21/2012 14:20	
SW6010B	MET_ICP_6010B_FULL	02/27/2012 14:00	15	08/05/2012 14:20	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	02/27/2012 14:00	15	02/21/2012 14:20	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	02/27/2012 14:00	15	02/14/2012 14:20	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/27/2012 14:00	15	02/14/2012 14:20	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1202069-12 GW8041-RB [Water] Sampled 02/07/2012 13:20 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/27/2012 14:00	15	08/05/2012 14:20	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:21:41PM

1202069

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202069-13 GW8172-TB [Water] Sampled 02/08/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/27/2012 14:00	15	02/22/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER **Printed: 3/1/2012 2:22:17PM**

1202080

Empirical Laboratories, LLC

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

Project Manager: **Jennifer Chandler**
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

Due to Client: 03/05/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Benjamin C. Wright
Date Received: 02/10/2012 08:20
Logged In By: Benjamin C. Wright
Date Logged In: 02/10/2012 10:51

Samples Received at: **0.3°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 3/1/2012 2:22:17PM

1202080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202080-01 GW0406 [Water] Sampled 02/09/2012 11:22 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/28/2012 14:00	15	02/16/2012 12:22	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	02/28/2012 14:00	15	02/16/2012 12:22	
SW8011	SGC_EDB_8011	02/28/2012 14:00	15	02/23/2012 12:22	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/28/2012 14:00	15	02/23/2012 12:22	
SW8260B	VOC_8260B_REG	02/28/2012 14:00	15	02/23/2012 12:22	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/28/2012 14:00	15	02/23/2012 12:22	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/28/2012 14:00	15	03/08/2012 12:22	
E300.0	WC_ANIONS_300.0 (Regular)	02/28/2012 14:00	15	03/08/2012 12:22	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	02/28/2012 14:00	15	03/08/2012 12:22	
SW6010B	MET_ICP_6010B_FULL	02/28/2012 14:00	15	08/07/2012 12:22	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	02/28/2012 14:00	15	02/16/2012 12:22	
1202080-02 GW0406 [Water] Sampled 02/09/2012 11:22 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/28/2012 14:00	15	08/07/2012 12:22	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:22:17PM

1202080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202080-03 GW0416 [Water] Sampled 02/09/2012 13:06 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	02/28/2012 14:00	15	03/08/2012 14:06	Cl, SO4
SW8260B	VOC_8260B_REG	02/28/2012 14:00	15	02/23/2012 14:06	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	02/28/2012 14:00	15	08/07/2012 14:06	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/28/2012 14:00	15	02/16/2012 14:06	
SM2320B	WC_ALKALINITY_2320B	02/28/2012 14:00	15	02/23/2012 14:06	carb/bicarb
SW8011	SGC_EDB_8011	02/28/2012 14:00	15	02/23/2012 14:06	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/28/2012 14:00	15	02/23/2012 14:06	
E353.2	WC_NO3NO2_N_353.2	02/28/2012 14:00	15	03/08/2012 14:06	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/28/2012 14:00	15	02/16/2012 14:06	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/28/2012 14:00	15	03/08/2012 14:06	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/28/2012 14:00	15	02/16/2012 14:06	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1202080-04 GW0416 [Water] Sampled 02/09/2012 13:06 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/28/2012 14:00	15	08/07/2012 14:06	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:22:17PM

1202080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202080-05 GW0417 [Water] Sampled 02/09/2012 10:47 Mountain					
SW8015B GR(	VGC_GRO_8015B	02/28/2012 14:00	15	02/23/2012 11:47	
SW8015B DR(	SGC_DRO_8015B_3510	02/28/2012 14:00	15	02/16/2012 11:47	
SW8011	SGC_EDB_8011	02/28/2012 14:00	15	02/23/2012 11:47	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	02/28/2012 14:00	15	03/08/2012 11:47	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/28/2012 14:00	15	02/16/2012 11:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	02/28/2012 14:00	15	08/07/2012 11:47	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	02/28/2012 14:00	15	02/23/2012 11:47	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	02/28/2012 14:00	15	02/23/2012 11:47	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/28/2012 14:00	15	03/08/2012 11:47	
E300.0	WC_ANIONS_300.0 (Regular)	02/28/2012 14:00	15	03/08/2012 11:47	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	02/28/2012 14:00	15	02/16/2012 11:47	
1202080-06 GW0417 [Water] Sampled 02/09/2012 10:47 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/28/2012 14:00	15	08/07/2012 11:47	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:22:17PM

1202080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202080-07 GW0425 [Water] Sampled 02/08/2012 15:13 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/28/2012 14:00	15	02/15/2012 16:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/28/2012 14:00	15	02/15/2012 16:13	
SW8260B	VOC_8260B_REG	02/28/2012 14:00	15	02/22/2012 16:13	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	02/28/2012 14:00	15	03/07/2012 16:13	
E300.0	WC_ANIONS_300.0 (Regular)	02/28/2012 14:00	15	03/07/2012 16:13	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	02/28/2012 14:00	15	02/22/2012 16:13	carb/bicarb
SW8015B GR(	VGC_GRO_8015B	02/28/2012 14:00	15	02/22/2012 16:13	
SW8011	SGC_EDB_8011	02/28/2012 14:00	15	02/22/2012 16:13	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/28/2012 14:00	15	02/15/2012 16:13	
SW6010B	MET_ICP_6010B_FULL	02/28/2012 14:00	15	08/06/2012 16:13	Ca, Pb, K, Na, Mg
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/28/2012 14:00	15	03/07/2012 16:13	
1202080-08 GW0425 [Water] Sampled 02/08/2012 15:13 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/28/2012 14:00	15	08/06/2012 16:13	Fe & Mn

WORK ORDER

Printed: 3/1/2012 2:22:17PM

1202080

Empirical Laboratories, LLC

Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Project Manager: Jennifer Chandler
Project Number: SHW_Kirtland

Method	Test Code	Due	TAT	Expires	Comments
1202080-09 GW0448 [Water] Sampled 02/08/2012 16:23 Mountain					
SW6010B	MET_ICP_6010B_FULL	02/28/2012 14:00	15	08/06/2012 17:23	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	02/28/2012 14:00	15	03/07/2012 17:23	Cl, SO4
SW8015B DR(	SGC_DRO_8015B_3510	02/28/2012 14:00	15	02/15/2012 17:23	
SW8011	SGC_EDB_8011	02/28/2012 14:00	15	02/22/2012 17:23	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	02/28/2012 14:00	15	02/22/2012 17:23	
SW8260B	VOC_8260B_REG	02/28/2012 14:00	15	02/22/2012 17:23	naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/28/2012 14:00	15	03/07/2012 17:23	
E353.2	WC_NO3NO2_N_353.2	02/28/2012 14:00	15	03/07/2012 17:23	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/28/2012 14:00	15	02/15/2012 17:23	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/28/2012 14:00	15	02/15/2012 17:23	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	02/28/2012 14:00	15	02/22/2012 17:23	carb/bicarb
1202080-10 GW0448 [Water] Sampled 02/08/2012 16:23 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/28/2012 14:00	15	08/06/2012 17:23	Fe & Mn
1202080-11 GW8173-TB [Water] Sampled 02/09/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/28/2012 14:00	15	02/23/2012 09:00	naphthalene must be reported

Reviewed By

Date

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_043
MATRIX: Water

QC LEVEL: Level IV
Report Due: 2/27/2012 - 3/2/2012
Client Sample Count: 51

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	2/3/2012	2/4/2012	1202035-01	GW0381	X	X	X	X	X	X
Client Sample	2/3/2012	2/4/2012	1202035-02	GW0381						X
Client Sample	2/3/2012	2/4/2012	1202035-03	GW0386	X	X	X	X	X	X
Client Sample	2/3/2012	2/4/2012	1202035-04	GW0386						X
Client Sample	2/3/2012	2/4/2012	1202035-05	GW0402	X	X	X	X	X	X
Client Sample	2/3/2012	2/4/2012	1202035-06	GW0402						X
Client Sample	2/2/2012	2/4/2012	1202035-07	GW0419	X	X	X	X	X	X
Client Sample	2/2/2012	2/4/2012	1202035-08	GW0419						X
Client Sample	2/3/2012	2/4/2012	1202035-09	GW0498	X	X	X	X	X	X
Client Sample	2/2/2012	2/4/2012	1202035-10	GW0498						X
Client Sample	2/3/2012	2/4/2012	1202035-11	GW8042-AB						
Trip Blank	2/3/2012	2/4/2012	1202035-12	GW8169-TB						
Client Sample	2/6/2012	2/7/2012	1202043-01	GW0452	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/6/2012	2/7/2012	1202043-02	GW0452						MS/MSD.
Client Sample	2/6/2012	2/7/2012	1202043-03	GW0489	X	X	X	X	X	X
Client Sample	2/6/2012	2/7/2012	1202043-04	GW0489						X
Client Sample	2/6/2012	2/7/2012	1202043-05	GW0491	X	X	X	X	X	X
Client Sample	2/6/2012	2/7/2012	1202043-06	GW0491						X
Client Sample	2/6/2012	2/7/2012	1202043-07	GW0492	X	X	X	X	X	X
Client Sample	2/6/2012	2/7/2012	1202043-08	GW0492						X
Trip Blank	2/6/2012	2/7/2012	1202043-09	GW8170-TB						
Client Sample	2/6/2012	2/8/2012	1202054-01	GW0453	X	X	X	X	X	X
Client Sample	2/6/2012	2/8/2012	1202054-02	GW0453						X
Client Sample	2/7/2012	2/8/2012	1202054-03	GW0454	X	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-04	GW0454						X
Client Sample	2/7/2012	2/8/2012	1202054-05	GW0483	X	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-06	GW0483						X
Client Sample	2/7/2012	2/8/2012	1202054-07	GW0484	X	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-08	GW0484						X
Client Sample	2/7/2012	2/8/2012	1202054-09	GW0485	X	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-10	GW0485						X
Trip Blank	2/7/2012	2/8/2012	1202054-11	GW8171-TB						
Client Sample	2/8/2012	2/9/2012	1202069-01	GW0408	X	X	X	X	X	X
Client Sample	2/8/2012	2/9/2012	1202069-02	GW0408						X
Client Sample	2/8/2012	2/9/2012	1202069-03	GW0426	X	X	X	X	X	X
Client Sample	2/8/2012	2/9/2012	1202069-04	GW0426						X
Client Sample	2/8/2012	2/9/2012	1202069-05	GW0427	X	X	X	X	X	X

Client Sample	2/8/2012	2/9/2012	1202069-06	GW0427						X
Client Sample	2/7/2012	2/9/2012	1202069-07	GW0479	X	X	X	X	X	X
Client Sample	2/7/2012	2/9/2012	1202069-08	GW0479						X
Client Sample	2/7/2012	2/9/2012	1202069-09	GW0490	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/7/2012	2/9/2012	1202069-10	GW0490						MS/MSD
Client Sample	2/7/2012	2/9/2012	1202069-11	GW8041-RB						X
Client Sample	2/7/2012	2/9/2012	1202069-12	GW8041-RB						X
Trip Blank	2/8/2012	2/9/2012	1202069-13	GW8172-TB						
Client Sample	2/9/2012	2/10/2012	1202080-01	GW0406	X	X	X	X	X	X
Client Sample	2/9/2012	2/10/2012	1202080-02	GW0406						X
Client Sample	2/9/2012	2/10/2012	1202080-03	GW0416	X	X	X	X	X	X
Client Sample	2/9/2012	2/10/2012	1202080-04	GW0416						X
Client Sample	2/9/2012	2/10/2012	1202080-05	GW0417	X	X	X	X	X	X
Client Sample	2/9/2012	2/10/2012	1202080-06	GW0417						X
Client Sample	2/8/2012	2/10/2012	1202080-07	GW0425	X	X	X	X	X	X
Client Sample	2/8/2012	2/10/2012	1202080-08	GW0425						X
Client Sample	2/8/2012	2/10/2012	1202080-09	GW0448	X	X	X	X	X	X
Client Sample	2/8/2012	2/10/2012	1202080-10	GW0448						X
Trip Blank	2/9/2012	2/10/2012	1202080-11	GW8173-TB						

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	2/3/2012	2/4/2012	1202035-01	GW0381	X	X	X	X	X
Client Sample	2/3/2012	2/4/2012	1202035-02	GW0381					
Client Sample	2/3/2012	2/4/2012	1202035-03	GW0386	X	X	X	X	X
Client Sample	2/3/2012	2/4/2012	1202035-04	GW0386					
Client Sample	2/3/2012	2/4/2012	1202035-05	GW0402	X	X	X	X	X
Client Sample	2/3/2012	2/4/2012	1202035-06	GW0402					
Client Sample	2/2/2012	2/4/2012	1202035-07	GW0419	X	X	X	X	X
Client Sample	2/2/2012	2/4/2012	1202035-08	GW0419					
Client Sample	2/3/2012	2/4/2012	1202035-09	GW0498	X	X	X	X	X
Client Sample	2/2/2012	2/4/2012	1202035-10	GW0498					
Client Sample	2/3/2012	2/4/2012	1202035-11	GW8042-AB				X	
Trip Blank	2/3/2012	2/4/2012	1202035-12	GW8169-TB				X	
Client Sample	2/6/2012	2/7/2012	1202043-01	GW0452	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/6/2012	2/7/2012	1202043-02	GW0452					
Client Sample	2/6/2012	2/7/2012	1202043-03	GW0489	X	X	X	X	X
Client Sample	2/6/2012	2/7/2012	1202043-04	GW0489					
Client Sample	2/6/2012	2/7/2012	1202043-05	GW0491	X	X	X	X	X
Client Sample	2/6/2012	2/7/2012	1202043-06	GW0491					
Client Sample	2/6/2012	2/7/2012	1202043-07	GW0492	X	X	X	X	X
Client Sample	2/6/2012	2/7/2012	1202043-08	GW0492					
Trip Blank	2/6/2012	2/7/2012	1202043-09	GW8170-TB				X	

Client Sample	2/6/2012	2/8/2012	1202054-01	GW0453	X	X	X	X	X
Client Sample	2/6/2012	2/8/2012	1202054-02	GW0453					
Client Sample	2/7/2012	2/8/2012	1202054-03	GW0454	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-04	GW0454					
Client Sample	2/7/2012	2/8/2012	1202054-05	GW0483	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-06	GW0483					
Client Sample	2/7/2012	2/8/2012	1202054-07	GW0484	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-08	GW0484					
Client Sample	2/7/2012	2/8/2012	1202054-09	GW0485	X	X	X	X	X
Client Sample	2/7/2012	2/8/2012	1202054-10	GW0485					
Trip Blank	2/7/2012	2/8/2012	1202054-11	GW8171-TB				X	
Client Sample	2/8/2012	2/9/2012	1202069-01	GW0408	X	X	X	X	X
Client Sample	2/8/2012	2/9/2012	1202069-02	GW0408					
Client Sample	2/8/2012	2/9/2012	1202069-03	GW0426	X	X	X	X	X
Client Sample	2/8/2012	2/9/2012	1202069-04	GW0426					
Client Sample	2/8/2012	2/9/2012	1202069-05	GW0427	X	X	X	X	X
Client Sample	2/8/2012	2/9/2012	1202069-06	GW0427					
Client Sample	2/7/2012	2/9/2012	1202069-07	GW0479	X	X	X	X	X
Client Sample	2/7/2012	2/9/2012	1202069-08	GW0479					
Client Sample	2/7/2012	2/9/2012	1202069-09	GW0490	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/7/2012	2/9/2012	1202069-10	GW0490					
Client Sample	2/7/2012	2/9/2012	1202069-11	GW8041-RB		X	X	X	X
Client Sample	2/7/2012	2/9/2012	1202069-12	GW8041-RB					
Trip Blank	2/8/2012	2/9/2012	1202069-13	GW8172-TB				X	
Client Sample	2/9/2012	2/10/2012	1202080-01	GW0406	X	X	X	X	X
Client Sample	2/9/2012	2/10/2012	1202080-02	GW0406					
Client Sample	2/9/2012	2/10/2012	1202080-03	GW0416	X	X	X	X	X
Client Sample	2/9/2012	2/10/2012	1202080-04	GW0416					
Client Sample	2/9/2012	2/10/2012	1202080-05	GW0417	X	X	X	X	X
Client Sample	2/9/2012	2/10/2012	1202080-06	GW0417					
Client Sample	2/8/2012	2/10/2012	1202080-07	GW0425	X	X	X	X	X
Client Sample	2/8/2012	2/10/2012	1202080-08	GW0425					
Client Sample	2/8/2012	2/10/2012	1202080-09	GW0448	X	X	X	X	X
Client Sample	2/8/2012	2/10/2012	1202080-10	GW0448					
Trip Blank	2/9/2012	2/10/2012	1202080-11	GW8173-TB				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01	File ID:	0203501.D
Sampled:	02/03/12 13:19	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 14:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01	File ID:	0203501.D
Sampled:	02/03/12 13:19	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 14:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.95	99.8	75 - 120	
Dibromofluoromethane	30.00	30.41	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.39	101	70 - 120	
Toluene-d8	30.00	29.06	96.9	85 - 120	

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03	File ID:	0203503.D
Sampled:	02/03/12 10:40	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	1.12	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane	0.310	0.250	0.500	1.00	J
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03	File ID:	0203503.D
Sampled:	02/03/12 10:40	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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	0.370	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.430	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.17	101	75 - 120	
Dibromofluoromethane	30.00	30.43	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.35	101	70 - 120	
Toluene-d8	30.00	28.51	95.0	85 - 120	

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05	File ID:	0203505.D
Sampled:	02/03/12 16:22	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 15:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.670	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	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	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05	File ID:	0203505.D
Sampled:	02/03/12 16:22	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 15:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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	1.35	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.08	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	1.30	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.22	101	75 - 120	
Dibromofluoromethane	30.00	30.59	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.60	102	70 - 120	
Toluene-d8	30.00	28.90	96.3	85 - 120	

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07	File ID:	0203507.D
Sampled:	02/02/12 14:44	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 15:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2.78	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.640	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	0.600	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		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07	File ID:	0203507.D
Sampled:	02/02/12 14:44	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 15:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.99	103	75 - 120	
Dibromofluoromethane	30.00	30.78	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.43	101	70 - 120	
Toluene-d8	30.00	29.40	98.0	85 - 120	

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09	File ID:	0203509.D
Sampled:	02/03/12 12:32	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 16:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.410	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09	File ID:	0203509.D
Sampled:	02/03/12 12:32	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 16:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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	2.51	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	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	0.450	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	2.40	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.23	101	75 - 120	
Dibromofluoromethane	30.00	30.84	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.41	101	70 - 120	
Toluene-d8	30.00	29.10	97.0	85 - 120	

ANALYSIS DATA SHEET

GW8042-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-11	File ID:	0203511.D
Sampled:	02/03/12 10:40	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8042-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-11	File ID:	0203511.D
Sampled:	02/03/12 10:40	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	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	31.20	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.53	102	70 - 120	
Toluene-d8	30.00	30.37	101	85 - 120	

ANALYSIS DATA SHEET

GW8169-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-12	File ID:	0203512.D
Sampled:	02/03/12 08:00	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 13:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8169-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-12	File ID:	0203512.D
Sampled:	02/03/12 08:00	Prepared:	02/07/12 00:00	Analyzed:	02/07/12 13:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.23	101	75 - 120	
Dibromofluoromethane	30.00	30.75	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.72	102	70 - 120	
Toluene-d8	30.00	29.28	97.6	85 - 120	

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01	File ID:	0204301.D
Sampled:	02/06/12 11:00	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 14:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	8.13	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.55	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	N, 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

GW0452

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01	File ID:	0204301.D
Sampled:	02/06/12 11:00	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 14:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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	0.530	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.340	0.250	0.500	1.00	J
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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.89	99.6	75 - 120	
Dibromofluoromethane	30.00	30.63	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.96	103	70 - 120	
Toluene-d8	30.00	28.56	95.2	85 - 120	

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03	File ID:	0204303.D
Sampled:	02/06/12 13:42	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 14:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03	File ID:	0204303.D
Sampled:	02/06/12 13:42	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 14:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.45	102	75 - 120	
Dibromofluoromethane	30.00	30.56	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.11	100	70 - 120	
Toluene-d8	30.00	28.73	95.8	85 - 120	

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05	File ID:	0204305.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 15:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05	File ID:	0204305.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 15:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.24	101	75 - 120	
Dibromofluoromethane	30.00	30.64	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	28.68	95.6	85 - 120	

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07	File ID:	0204307.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 15:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07	File ID:	0204307.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 15:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.33	101	75 - 120	
Dibromofluoromethane	30.00	30.94	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.18	101	70 - 120	
Toluene-d8	30.00	28.87	96.2	85 - 120	

ANALYSIS DATA SHEET

GW8170-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-09	File ID:	0204309.D
Sampled:	02/06/12 08:00	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 13:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8170-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-09	File ID:	0204309.D
Sampled:	02/06/12 08:00	Prepared:	02/09/12 00:00	Analyzed:	02/09/12 13:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.72	109	75 - 120	
Dibromofluoromethane	30.00	38.95	130	85 - 115	*
1,2-Dichloroethane-d4	30.00	31.93	106	70 - 120	
Toluene-d8	30.00	30.08	100	85 - 120	

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01RE1	File ID:	0205401R.D
Sampled:	02/06/12 15:40	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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

GW0453

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01RE1	File ID:	0205401R.D
Sampled:	02/06/12 15:40	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.02	103	75 - 120	
Dibromofluoromethane	30.00	31.23	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.32	101	70 - 120	
Toluene-d8	30.00	31.06	104	85 - 120	

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03	File ID:	0205403.D
Sampled:	02/07/12 11:51	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 16:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.04	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.07	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	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

GW0454

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03	File ID:	0205403.D
Sampled:	02/07/12 11:51	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 16:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.22	104	75 - 120	
Dibromofluoromethane	30.00	31.30	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.60	102	70 - 120	
Toluene-d8	30.00	29.22	97.4	85 - 120	

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05	File ID:	0205405.D
Sampled:	02/07/12 12:57	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 16:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05	File ID:	0205405.D
Sampled:	02/07/12 12:57	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 16:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.01	103	75 - 120	
Dibromofluoromethane	30.00	31.45	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.42	105	70 - 120	
Toluene-d8	30.00	29.41	98.0	85 - 120	

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07	File ID:	0205407.D
Sampled:	02/07/12 10:37	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 11:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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

GW0484

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07	File ID:	0205407.D
Sampled:	02/07/12 10:37	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 11:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.43	105	75 - 120	
Dibromofluoromethane	30.00	31.67	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.98	103	70 - 120	
Toluene-d8	30.00	29.53	98.4	85 - 120	

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09	File ID:	0205409.D
Sampled:	02/07/12 10:37	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 11:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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

GW0485

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09	File ID:	0205409.D
Sampled:	02/07/12 10:37	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 11:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.55	105	75 - 120	
Dibromofluoromethane	30.00	31.59	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.90	103	70 - 120	
Toluene-d8	30.00	29.49	98.3	85 - 120	

ANALYSIS DATA SHEET

GW8171-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-11	File ID:	0205411.D
Sampled:	02/07/12 08:00	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 13:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8171-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-11	File ID:	0205411.D
Sampled:	02/07/12 08:00	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 13:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	31.20	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.73	102	70 - 120	
Toluene-d8	30.00	29.33	97.8	85 - 120	

ANALYSIS DATA SHEET

GW0408

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01	File ID:	0206901.D
Sampled:	02/08/12 13:36	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 11:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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	0.270	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0408

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01	File ID:	0206901.D
Sampled:	02/08/12 13:36	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 11:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	1.63	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	0.310	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	1.61	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.99	103	75 - 120	
Dibromofluoromethane	30.00	31.94	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.57	102	70 - 120	
Toluene-d8	30.00	29.05	96.8	85 - 120	

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03	File ID:	0206903.D
Sampled:	02/08/12 12:53	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 12:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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

GW0426

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03	File ID:	0206903.D
Sampled:	02/08/12 12:53	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 12:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.34	104	75 - 120	
Dibromofluoromethane	30.00	31.82	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.30	104	70 - 120	
Toluene-d8	30.00	29.81	99.4	85 - 120	

ANALYSIS DATA SHEET

GW0427

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05	File ID:	0206905.D
Sampled:	02/08/12 10:37	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 12:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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

GW0427

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05	File ID:	0206905.D
Sampled:	02/08/12 10:37	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 12:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.41	105	75 - 120	
Dibromofluoromethane	30.00	31.47	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.14	104	70 - 120	
Toluene-d8	30.00	30.01	100	85 - 120	

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07	File ID:	0206907D.D
Sampled:	02/07/12 15:44	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 14:12
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	34.4	5.00	10.0	20.0	Y, D
71-43-2	Benzene	50.5	0.500	1.00	2.00	D
108-86-1	Bromobenzene		0.500	1.00	2.00	U
74-97-5	Bromochloromethane		0.500	1.00	2.00	U
75-27-4	Bromodichloromethane		0.500	1.00	2.00	U
75-25-2	Bromoform		0.500	1.00	2.00	U
74-83-9	Bromomethane		1.00	2.00	4.00	U
104-51-8	n-Butylbenzene		0.500	1.00	2.00	U
78-93-3	2-Butanone		5.00	10.0	20.0	U
135-98-8	sec-Butylbenzene		0.500	1.00	2.00	U
98-06-6	tert-Butylbenzene		0.500	1.00	2.00	U
75-15-0	Carbon disulfide	5.45	0.500	1.00	2.00	D
56-23-5	Carbon tetrachloride		0.500	1.00	2.00	U
108-90-7	Chlorobenzene		0.500	1.00	2.00	U
75-00-3	Chloroethane		1.00	2.00	4.00	U
67-66-3	Chloroform		0.500	1.00	2.00	U
74-87-3	Chloromethane		0.500	1.00	2.00	Y, U
95-49-8	2-Chlorotoluene		0.500	1.00	2.00	U
106-43-4	4-Chlorotoluene		0.500	1.00	2.00	U
124-48-1	Dibromochloromethane		0.500	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane		1.00	2.00	4.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.500	1.00	2.00	U
74-95-3	Dibromomethane		0.500	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene		0.500	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene		0.500	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene		0.500	1.00	2.00	U
75-71-8	Dichlorodifluoromethane		1.00	2.00	4.00	U
75-34-3	1,1-Dichloroethane		0.500	1.00	2.00	U
107-06-2	1,2-Dichloroethane	1.56	0.500	1.00	2.00	J, D
75-35-4	1,1-Dichloroethene		0.500	1.00	2.00	U
156-59-2	cis-1,2-Dichloroethene		0.500	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene		0.500	1.00	2.00	U
78-87-5	1,2-Dichloropropane		0.500	1.00	2.00	U
142-28-9	1,3-Dichloropropane		0.500	1.00	2.00	U
594-20-7	2,2-Dichloropropane		0.500	1.00	2.00	U
563-58-6	1,1-Dichloropropene		0.500	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene		0.500	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene		0.500	1.00	2.00	U
100-41-4	Ethylbenzene	1.35	0.500	1.00	2.00	J, D
87-68-3	Hexachlorobutadiene		0.500	1.00	2.00	U

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07	File ID:	0206907D.D
Sampled:	02/07/12 15:44	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 14:12
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene	1.12	0.500	1.00	2.00	J, D
99-87-6	p-Isopropyltoluene		0.500	1.00	2.00	U
75-09-2	Methylene chloride		1.00	2.00	4.00	U
91-20-3	Naphthalene	0.879	0.500	1.00	2.00	J, D
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.500	1.00	2.00	U
103-65-1	n-Propylbenzene		0.500	1.00	2.00	U
100-42-5	Styrene		0.500	1.00	2.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.500	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.500	1.00	2.00	U
127-18-4	Tetrachloroethene		0.500	1.00	2.00	U
108-88-3	Toluene	2.23	0.500	1.00	2.00	D
87-61-6	1,2,3-Trichlorobenzene		0.500	1.00	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.500	1.00	2.00	U
79-00-5	1,1,2-Trichloroethane		0.500	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane		0.500	1.00	2.00	U
79-01-6	Trichloroethene		0.500	1.00	2.00	U
75-69-4	Trichlorofluoromethane		1.00	2.00	4.00	U
96-18-4	1,2,3-Trichloropropane		1.00	2.00	4.00	U
108-67-8	1,3,5-Trimethylbenzene	0.563	0.500	1.00	2.00	J, D
95-63-6	1,2,4-Trimethylbenzene		0.500	1.00	2.00	U
75-01-4	Vinyl chloride		0.500	1.00	2.00	U
1330-20-7	Xylenes (total)	3.53	1.50	3.00	6.00	J, D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.78	103	75 - 120	
Dibromofluoromethane	30.00	31.31	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.37	101	70 - 120	
Toluene-d8	30.00	29.46	98.2	85 - 120	

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09	File ID:	0206909.D
Sampled:	02/07/12 16:21	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 13:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	N, 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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	N, 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

GW0490

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09	File ID:	0206909.D
Sampled:	02/07/12 16:21	Prepared:	02/13/12 00:00	Analyzed:	02/13/12 13:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.15	104	75 - 120	
Dibromofluoromethane	30.00	31.44	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.49	102	70 - 120	
Toluene-d8	30.00	29.61	98.7	85 - 120	

ANALYSIS DATA SHEET

GW8041-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-11	File ID:	0206911.D
Sampled:	02/07/12 13:20	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 14:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.03	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane	0.660	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		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform	1.49	0.250	0.500	1.00	
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	0.380	0.250	0.500	1.00	J
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8041-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-11	File ID:	0206911.D
Sampled:	02/07/12 13:20	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 14:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.99	103	75 - 120	
Dibromofluoromethane	30.00	31.15	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.11	104	70 - 120	
Toluene-d8	30.00	29.77	99.2	85 - 120	

ANALYSIS DATA SHEET

GW8172-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-13	File ID:	0206913.D
Sampled:	02/08/12 08:00	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 13:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8172-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-13	File ID:	0206913.D
Sampled:	02/08/12 08:00	Prepared:	02/10/12 00:00	Analyzed:	02/10/12 13:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.18	101	75 - 120	
Dibromofluoromethane	30.00	30.81	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.08	100	70 - 120	
Toluene-d8	30.00	29.20	97.3	85 - 120	

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01	File ID:	0208001.D
Sampled:	02/09/12 11:22	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 13:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q, U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	X, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	Q, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	Q, 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	0.260	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01	File ID:	0208001.D
Sampled:	02/09/12 11:22	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 13:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.39	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	Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	Q, 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
1330-20-7	Xylenes (total)	1.31	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.39	105	75 - 120	
Dibromofluoromethane	30.00	31.68	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.51	102	70 - 120	
Toluene-d8	30.00	31.56	105	85 - 120	

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03	File ID:	0208003.D
Sampled:	02/09/12 13:06	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 13:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

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

GW0416

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03	File ID:	0208003.D
Sampled:	02/09/12 13:06	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 13:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	Q, 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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.44	101	75 - 120	
Dibromofluoromethane	30.00	31.47	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.86	106	70 - 120	
Toluene-d8	30.00	30.46	102	85 - 120	

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05	File ID:	0208005.D
Sampled:	02/09/12 10:47	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 14:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

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

GW0417

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05	File ID:	0208005.D
Sampled:	02/09/12 10:47	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 14:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	Q, 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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.30	104	75 - 120	
Dibromofluoromethane	30.00	31.63	105	85 - 115	
1,2-Dichloroethane-d4	30.00	29.46	98.2	70 - 120	
Toluene-d8	30.00	30.88	103	85 - 120	

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07	File ID:	0208007.D
Sampled:	02/08/12 15:13	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 14:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

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

GW0425

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07	File ID:	0208007.D
Sampled:	02/08/12 15:13	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 14:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	Q, 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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.13	100	75 - 120	
Dibromofluoromethane	30.00	31.50	105	85 - 115	
1,2-Dichloroethane-d4	30.00	32.03	107	70 - 120	
Toluene-d8	30.00	31.09	104	85 - 120	

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09	File ID:	0208009.D
Sampled:	02/08/12 16:23	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.29	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q, U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	X, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	Q, 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)	0.270	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	0.550	0.250	0.500	1.00	Q, 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	0.610	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09	File ID:	0208009.D
Sampled:	02/08/12 16:23	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	Q, 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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.09	104	75 - 120	
Dibromofluoromethane	30.00	31.81	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.37	101	70 - 120	
Toluene-d8	30.00	30.02	100	85 - 120	

ANALYSIS DATA SHEET

GW8173-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-11	File ID:	0208011.D
Sampled:	02/09/12 08:00	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 11:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

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

GW8173-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-11	File ID:	0208011.D
Sampled:	02/09/12 08:00	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 11:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	Q, 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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.37	101	75 - 120	
Dibromofluoromethane	30.00	30.76	103	85 - 115	
1,2-Dichloroethane-d4	30.00	28.91	96.4	70 - 120	
Toluene-d8	30.00	30.92	103	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03906	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03906-CCV1) ug/L				Lab File ID: 0207CCV1.D		Analyzed: 02/07/12 11:17		
Bromofluorobenzene	30.00	103	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	80 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2B07008-BS1) ug/L				Lab File ID: 0207LCS1.D		Analyzed: 02/07/12 11:44		
Bromofluorobenzene	30.00	105	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
Blank (2B07008-BLK1) ug/L				Lab File ID: 0207BLK1.D		Analyzed: 02/07/12 13:04		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW8169-TB (1202035-12) ug/L				Lab File ID: 0203512.D		Analyzed: 02/07/12 13:31		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8042-AB (1202035-11) ug/L				Lab File ID: 0203511.D		Analyzed: 02/07/12 13:57		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0381 (1202035-01) ug/L				Lab File ID: 0203501.D		Analyzed: 02/07/12 14:24		
Bromofluorobenzene	30.00	99.8	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.45	7.44	0.0100	+/-1.000	
Toluene-d8	30.00	96.9	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0386 (1202035-03) ug/L				Lab File ID: 0203503.D		Analyzed: 02/07/12 14:51		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.45	7.44	0.0100	+/-1.000	
Toluene-d8	30.00	95.0	85 - 120	9.65	9.64	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03906	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0402 (1202035-05) ug/L				Lab File ID: 0203505.D		Analyzed: 02/07/12 15:17		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.44	0.0100	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0419 (1202035-07) ug/L				Lab File ID: 0203507.D		Analyzed: 02/07/12 15:44		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	98.0	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0498 (1202035-09) ug/L				Lab File ID: 0203509.D		Analyzed: 02/07/12 16:11		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.45	7.44	0.0100	+/-1.000	
Toluene-d8	30.00	97.0	85 - 120	9.65	9.64	0.0100	+/-1.000	
LCS Dup (2B07008-BSD1) ug/L				Lab File ID: 0207LCD1.D		Analyzed: 02/07/12 16:38		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.9	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	98.5	85 - 120	9.65	9.64	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04105	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04105-CCV1) ug/L				Lab File ID: 0209CCV1.D		Analyzed: 02/09/12 11:28		
Bromofluorobenzene	30.00	105	80 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	80 - 120	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	80 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	99.5	80 - 120	9.65	9.65	0.0000	+/-1.000	
LCS (2B08011-BS1) ug/L				Lab File ID: 0209LCS1.D		Analyzed: 02/09/12 11:55		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.94	6.95	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.65	-0.0100	+/-1.000	
Blank (2B08011-BLK1) ug/L				Lab File ID: 0209BLK1.D		Analyzed: 02/09/12 13:15		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.94	6.95	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.44	0.0100	+/-1.000	
Toluene-d8	30.00	99.0	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW8170-TB (1202043-09) ug/L				Lab File ID: 0204309.D		Analyzed: 02/09/12 13:42		
Bromofluorobenzene	30.00	109	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	130	85 - 115	6.95	6.95	0.0000	+/-1.000	*
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.45	7.44	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0452 (1202043-01) ug/L				Lab File ID: 0204301.D		Analyzed: 02/09/12 14:08		
Bromofluorobenzene	30.00	99.6	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	95.2	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0489 (1202043-03) ug/L				Lab File ID: 0204303.D		Analyzed: 02/09/12 14:35		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	95.8	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0491 (1202043-05) ug/L				Lab File ID: 0204305.D		Analyzed: 02/09/12 15:02		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	95.6	85 - 120	9.65	9.65	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04105	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0492 (1202043-07) ug/L				Lab File ID: 0204307.D		Analyzed: 02/09/12 15:28		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	96.2	85 - 120	9.64	9.65	-0.0100	+/-1.000	
Matrix Spike (2B08011-MS1) ug/L				Lab File ID: 0204301M.D		Analyzed: 02/09/12 19:02		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	95.9	85 - 120	9.65	9.65	0.0000	+/-1.000	
Matrix Spike Dup (2B08011-MSD1) ug/L				Lab File ID: 0204301S.D		Analyzed: 02/09/12 19:29		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.95	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.44	7.44	0.0000	+/-1.000	
Toluene-d8	30.00	95.9	85 - 120	9.65	9.65	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04405	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04405-CCV1) ug/L				Lab File ID: 0210CCV1.D		Analyzed: 02/10/12 10:25		
Bromofluorobenzene	30.00	106	80 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	80 - 120	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	100	80 - 120	9.65	9.65	0.0000	+/-1.000	
LCS (2B10017-BS1) ug/L				Lab File ID: 0210LCS1.D		Analyzed: 02/10/12 11:11		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	98.3	85 - 120	9.66	9.65	0.0100	+/-1.000	
Blank (2B10017-BLK1) ug/L				Lab File ID: 0210BLK1.D		Analyzed: 02/10/12 12:31		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	99.0	85 - 120	9.66	9.65	0.0100	+/-1.000	
GW8171-TB (1202054-11) ug/L				Lab File ID: 0205411.D		Analyzed: 02/10/12 13:24		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	97.8	85 - 120	9.66	9.65	0.0100	+/-1.000	
GW8172-TB (1202069-13) ug/L				Lab File ID: 0206913.D		Analyzed: 02/10/12 13:51		
Bromofluorobenzene	30.00	101	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	97.3	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW8041-RB (1202069-11) ug/L				Lab File ID: 0206911.D		Analyzed: 02/10/12 14:17		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	99.2	85 - 120	9.66	9.65	0.0100	+/-1.000	
GW0454 (1202054-03) ug/L				Lab File ID: 0205403.D		Analyzed: 02/10/12 16:04		
Bromofluorobenzene	30.00	104	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	97.4	85 - 120	9.66	9.65	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04405	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0483 (1202054-05) ug/L				Lab File ID: 0205405.D		Analyzed: 02/10/12 16:31		
Bromofluorobenzene	30.00	103	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.97	6.96	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	98.0	85 - 120	9.65	9.65	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04502	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04502-CCV1) ug/L				Lab File ID: 0213CCV1.D		Analyzed: 02/13/12 07:36		
Bromofluorobenzene	30.00	104	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	80 - 120	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	96.6	80 - 120	9.65	9.65	0.0000	+/-1.000	
LCS (2B13001-BS1) ug/L				Lab File ID: 0213LCS1.D		Analyzed: 02/13/12 08:15		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	95.9	85 - 120	9.65	9.65	0.0000	+/-1.000	
Blank (2B13001-BLK1) ug/L				Lab File ID: 0213BLK1.D		Analyzed: 02/13/12 10:39		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	98.3	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0484 (1202054-07) ug/L				Lab File ID: 0205407.D		Analyzed: 02/13/12 11:06		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	98.4	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0485 (1202054-09) ug/L				Lab File ID: 0205409.D		Analyzed: 02/13/12 11:32		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	98.3	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0408 (1202069-01) ug/L				Lab File ID: 0206901.D		Analyzed: 02/13/12 11:59		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	96.8	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0426 (1202069-03) ug/L				Lab File ID: 0206903.D		Analyzed: 02/13/12 12:26		
Bromofluorobenzene	30.00	104	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	9.65	9.65	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04502	Instrument:	MS-VOA6
		Calibration:	2033002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0427 (1202069-05) ug/L				Lab File ID: 0206905.D		Analyzed: 02/13/12 12:52		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0490 (1202069-09) ug/L				Lab File ID: 0206909.D		Analyzed: 02/13/12 13:19		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	98.7	85 - 120	9.66	9.65	0.0100	+/-1.000	
GW0453 (1202054-01RE1) ug/L				Lab File ID: 0205401R.D		Analyzed: 02/13/12 13:46		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.97	6.96	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0479 (1202069-07) ug/L				Lab File ID: 0206907D.D		Analyzed: 02/13/12 14:12		
Bromofluorobenzene	30.00	103	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	98.2	85 - 120	9.66	9.65	0.0100	+/-1.000	
Matrix Spike (2B13001-MS1) ug/L				Lab File ID: 0206909M.D		Analyzed: 02/13/12 17:19		
Bromofluorobenzene	30.00	104	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	96.2	85 - 120	9.65	9.65	0.0000	+/-1.000	
Matrix Spike Dup (2B13001-MSD1) ug/L				Lab File ID: 0206909S.D		Analyzed: 02/13/12 17:46		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.97	6.96	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.46	7.45	0.0100	+/-1.000	
Toluene-d8	30.00	97.7	85 - 120	9.66	9.65	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04803	Instrument:	MS-VOA5
		Calibration:	2048001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04803-CCV1) ug/L				Lab File ID: 0216CCV1.D		Analyzed: 02/16/12 08:59		
Bromofluorobenzene	30.00	112	80 - 120	12.2	12.2	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.84	6.84	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	80 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	106	80 - 120	9.58	9.58	0.0000	+/-1.000	
LCS (2B16015-BS1) ug/L				Lab File ID: 0216LCS1.D		Analyzed: 02/16/12 09:24		
Bromofluorobenzene	30.00	108	75 - 120	12.2	12.2	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.84	6.84	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.1	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.58	9.58	0.0000	+/-1.000	
Blank (2B16015-BLK1) ug/L				Lab File ID: 0216BL1.D		Analyzed: 02/16/12 10:40		
Bromofluorobenzene	30.00	105	75 - 120	12.19	12.2	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.83	6.84	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.33	7.34	-0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.57	9.58	-0.0100	+/-1.000	
GW8173-TB (1202080-11) ug/L				Lab File ID: 0208011.D		Analyzed: 02/16/12 11:30		
Bromofluorobenzene	30.00	101	75 - 120	12.2	12.2	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.84	6.84	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.4	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.57	9.58	-0.0100	+/-1.000	
GW0406 (1202080-01) ug/L				Lab File ID: 0208001.D		Analyzed: 02/16/12 13:11		
Bromofluorobenzene	30.00	105	75 - 120	12.2	12.2	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.84	6.84	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.57	9.58	-0.0100	+/-1.000	
GW0416 (1202080-03) ug/L				Lab File ID: 0208003.D		Analyzed: 02/16/12 13:36		
Bromofluorobenzene	30.00	101	75 - 120	12.19	12.2	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.83	6.84	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.33	7.34	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.57	9.58	-0.0100	+/-1.000	
GW0417 (1202080-05) ug/L				Lab File ID: 0208005.D		Analyzed: 02/16/12 14:01		
Bromofluorobenzene	30.00	104	75 - 120	12.2	12.2	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.84	6.84	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.2	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.57	9.58	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04803	Instrument:	MS-VOA5
		Calibration:	2048001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0425 (1202080-07) ug/L				Lab File ID: 0208007.D		Analyzed: 02/16/12 14:26		
Bromofluorobenzene	30.00	100	75 - 120	12.2	12.2	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.84	6.84	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.58	9.58	0.0000	+/-1.000	
GW0448 (1202080-09) ug/L				Lab File ID: 0208009.D		Analyzed: 02/16/12 14:51		
Bromofluorobenzene	30.00	104	75 - 120	12.19	12.2	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.83	6.84	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.57	9.58	-0.0100	+/-1.000	
LCS Dup (2B16015-BSD1) ug/L				Lab File ID: 0216LCD1.D		Analyzed: 02/16/12 18:37		
Bromofluorobenzene	30.00	110	75 - 120	12.2	12.2	0.0000	+/-1.000	
Dibromofluoromethane	30.00	116	85 - 115	6.84	6.84	0.0000	+/-1.000	*
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	92.5	85 - 120	9.57	9.58	-0.0100	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07008	Laboratory ID:	2B07008-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	82.0	82.0	40 - 140
Benzene	50.00	50.8	102	80 - 120
Bromobenzene	50.00	52.0	104	75 - 125
Bromochloromethane	50.00	51.8	104	65 - 130
Bromodichloromethane	50.00	51.2	102	75 - 120
Bromoform	50.00	46.9	93.8	70 - 130
Bromomethane	50.00	51.8	104	30 - 145
n-Butylbenzene	50.00	53.0	106	70 - 135
2-Butanone	100.0	97.9	97.9	30 - 150
sec-Butylbenzene	50.00	52.7	105	70 - 125
tert-Butylbenzene	50.00	53.3	107	70 - 130
Carbon disulfide	50.00	40.9	81.7	35 - 160
Carbon tetrachloride	50.00	54.1	108	65 - 140
Chlorobenzene	50.00	50.6	101	80 - 120
Chloroethane	50.00	53.4	107	60 - 135
Chloroform	50.00	46.4	92.9	65 - 135
Chloromethane	50.00	47.6	95.1	40 - 125
2-Chlorotoluene	50.00	50.8	102	75 - 125
4-Chlorotoluene	50.00	51.1	102	75 - 130
Dibromochloromethane	50.00	54.5	109	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.5	93.1	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.8	104	80 - 120
Dibromomethane	50.00	51.0	102	75 - 125
1,2-Dichlorobenzene	50.00	51.3	103	70 - 120
1,3-Dichlorobenzene	50.00	51.1	102	75 - 125
1,4-Dichlorobenzene	50.00	51.2	102	75 - 125
Dichlorodifluoromethane	50.00	43.6	87.1	30 - 155
1,1-Dichloroethane	50.00	48.6	97.2	70 - 135
1,2-Dichloroethane	50.00	52.0	104	70 - 130
1,1-Dichloroethene	50.00	44.6	89.1	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07008	Laboratory ID:	2B07008-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	50.9	102	70 - 125
trans-1,2-Dichloroethene	50.00	52.3	105	60 - 140
1,2-Dichloropropane	50.00	51.5	103	75 - 125
1,3-Dichloropropane	50.00	51.8	104	75 - 125
2,2-Dichloropropane	50.00	53.5	107	70 - 135
1,1-Dichloropropene	50.00	50.2	100	75 - 130
cis-1,3-Dichloropropene	50.00	56.0	112	70 - 130
trans-1,3-Dichloropropene	50.00	48.5	97.0	55 - 140
Ethylbenzene	50.00	51.2	102	75 - 125
Hexachlorobutadiene	50.00	52.0	104	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	48.7	97.4	75 - 125
p-Isopropyltoluene	50.00	51.2	102	75 - 130
Methylene chloride	50.00	48.6	97.2	55 - 140
Naphthalene	50.00	54.7	109	55 - 140
4-Methyl-2-pentanone	100.0	108	108	60 - 135
Methyl t-Butyl Ether	50.00	52.6	105	65 - 125
n-Propylbenzene	50.00	51.0	102	70 - 130
Styrene	50.00	52.3	105	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.8	102	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.8	110	80 - 130
Tetrachloroethene	50.00	50.8	102	45 - 150
Toluene	50.00	50.1	100	75 - 120
1,2,3-Trichlorobenzene	50.00	53.7	107	55 - 140
1,2,4-Trichlorobenzene	50.00	53.3	107	65 - 135
1,1,2-Trichloroethane	50.00	51.4	103	75 - 125
1,1,1-Trichloroethane	50.00	52.9	106	65 - 130
Trichloroethene	50.00	51.6	103	70 - 125
Trichlorofluoromethane	50.00	52.3	105	60 - 145
1,2,3-Trichloropropane	50.00	51.7	103	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07008	Laboratory ID:	2B07008-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	54.5	109	75 - 130
1,2,4-Trimethylbenzene	50.00	53.6	107	75 - 130
Vinyl chloride	50.00	58.9	118	50 - 145
Xylenes (total)	150.0	154	103	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	80.8	80.8	1.55	30	40 - 140
Benzene	50.00	50.3	101	1.05	30	80 - 120
Bromobenzene	50.00	48.6	97.1	6.82	30	75 - 125
Bromochloromethane	50.00	50.7	101	2.03	30	65 - 130
Bromodichloromethane	50.00	45.2	90.3	12.6	30	75 - 120
Bromoform	50.00	43.7	87.5	6.93	30	70 - 130
Bromomethane	50.00	43.5	87.1	17.3	30	30 - 145
n-Butylbenzene	50.00	46.6	93.3	12.8	30	70 - 135
2-Butanone	100.0	107	107	8.74	30	30 - 150
sec-Butylbenzene	50.00	46.5	93.1	12.5	30	70 - 125
tert-Butylbenzene	50.00	47.6	95.2	11.3	30	70 - 130
Carbon disulfide	50.00	37.2	74.4	9.35	30	35 - 160
Carbon tetrachloride	50.00	49.0	98.0	9.97	30	65 - 140
Chlorobenzene	50.00	47.8	95.6	5.65	30	80 - 120
Chloroethane	50.00	46.3	92.6	14.2	30	60 - 135
Chloroform	50.00	49.3	98.7	6.03	30	65 - 135
Chloromethane	50.00	42.2	84.4	12.0	30	40 - 125
2-Chlorotoluene	50.00	47.4	94.9	6.94	30	75 - 125
4-Chlorotoluene	50.00	47.0	93.9	8.36	30	75 - 130
Dibromochloromethane	50.00	51.2	102	6.34	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.5	89.0	4.50	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.5	101	2.50	30	80 - 120
Dibromomethane	50.00	46.1	92.2	10.2	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07008	Laboratory ID:	2B07008-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.
1,2-Dichlorobenzene	50.00	48.1	96.2	6.52	30	70 - 120
1,3-Dichlorobenzene	50.00	46.6	93.3	9.17	30	75 - 125
1,4-Dichlorobenzene	50.00	47.6	95.2	7.41	30	75 - 125
Dichlorodifluoromethane	50.00	37.4	74.7	15.3	30	30 - 155
1,1-Dichloroethane	50.00	49.4	98.7	1.55	30	70 - 135
1,2-Dichloroethane	50.00	53.3	107	2.58	30	70 - 130
1,1-Dichloroethene	50.00	41.7	83.4	6.63	30	70 - 130
cis-1,2-Dichloroethene	50.00	50.0	99.9	1.84	30	70 - 125
trans-1,2-Dichloroethene	50.00	46.8	93.6	11.2	30	60 - 140
1,2-Dichloropropane	50.00	45.8	91.5	11.8	30	75 - 125
1,3-Dichloropropane	50.00	49.8	99.6	3.82	30	75 - 125
2,2-Dichloropropane	50.00	46.9	93.7	13.2	30	70 - 135
1,1-Dichloropropene	50.00	48.5	97.0	3.30	30	75 - 130
cis-1,3-Dichloropropene	50.00	48.6	97.2	14.0	30	70 - 130
trans-1,3-Dichloropropene	50.00	45.4	90.9	6.56	30	55 - 140
Ethylbenzene	50.00	47.9	95.8	6.70	30	75 - 125
Hexachlorobutadiene	50.00	40.7	81.5	24.3	30	50 - 140
2-Hexanone	100.0	102	102	0.333	30	55 - 130
Isopropylbenzene	50.00	44.5	89.0	9.04	30	75 - 125
p-Isopropyltoluene	50.00	45.4	90.8	12.1	30	75 - 130
Methylene chloride	50.00	46.7	93.5	3.94	30	55 - 140
Naphthalene	50.00	48.3	96.6	12.5	30	55 - 140
4-Methyl-2-pentanone	100.0	99.4	99.4	8.55	30	60 - 135
Methyl t-Butyl Ether	50.00	48.7	97.3	7.84	30	65 - 125
n-Propylbenzene	50.00	46.4	92.9	9.26	30	70 - 130
Styrene	50.00	49.3	98.6	5.90	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.8	99.7	2.01	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.0	102	7.22	30	80 - 130
Tetrachloroethene	50.00	46.0	91.9	10.1	30	45 - 150
Toluene	50.00	47.0	94.1	6.30	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07008	Laboratory ID:	2B07008-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.
1,2,3-Trichlorobenzene	50.00	46.1	92.1	15.3	30	55 - 140
1,2,4-Trichlorobenzene	50.00	46.3	92.7	14.0	30	65 - 135
1,1,2-Trichloroethane	50.00	50.2	100	2.44	30	75 - 125
1,1,1-Trichloroethane	50.00	49.8	99.7	5.99	30	65 - 130
Trichloroethene	50.00	45.0	89.9	13.8	30	70 - 125
Trichlorofluoromethane	50.00	46.2	92.3	12.5	30	60 - 145
1,2,3-Trichloropropane	50.00	50.5	101	2.43	30	75 - 125
1,3,5-Trimethylbenzene	50.00	50.3	101	8.05	30	75 - 130
1,2,4-Trimethylbenzene	50.00	48.9	97.8	9.27	30	75 - 130
Vinyl chloride	50.00	50.3	101	15.7	30	50 - 145
Xylenes (total)	150.0	144	95.9	6.90	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B08011	Laboratory ID:	2B08011-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	105	105	40 - 140
Benzene	50.00	49.9	99.9	80 - 120
Bromobenzene	50.00	51.8	104	75 - 125
Bromochloromethane	50.00	50.4	101	65 - 130
Bromodichloromethane	50.00	51.7	103	75 - 120
Bromoform	50.00	47.7	95.4	70 - 130
Bromomethane	50.00	56.7	113	30 - 145
n-Butylbenzene	50.00	52.3	105	70 - 135
2-Butanone	100.0	88.9	88.9	30 - 150
sec-Butylbenzene	50.00	51.5	103	70 - 125
tert-Butylbenzene	50.00	52.5	105	70 - 130
Carbon disulfide	50.00	44.0	88.1	35 - 160
Carbon tetrachloride	50.00	53.1	106	65 - 140
Chlorobenzene	50.00	50.7	101	80 - 120
Chloroethane	50.00	57.2	114	60 - 135
Chloroform	50.00	45.0	90.0	65 - 135
Chloromethane	50.00	54.6	109	40 - 125
2-Chlorotoluene	50.00	50.4	101	75 - 125
4-Chlorotoluene	50.00	50.5	101	75 - 130
Dibromochloromethane	50.00	55.3	111	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.5	98.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	52.9	106	80 - 120
Dibromomethane	50.00	52.3	105	75 - 125
1,2-Dichlorobenzene	50.00	51.6	103	70 - 120
1,3-Dichlorobenzene	50.00	50.2	100	75 - 125
1,4-Dichlorobenzene	50.00	50.7	101	75 - 125
Dichlorodifluoromethane	50.00	45.9	91.8	30 - 155
1,1-Dichloroethane	50.00	54.0	108	70 - 135
1,2-Dichloroethane	50.00	52.6	105	70 - 130
1,1-Dichloroethene	50.00	49.4	98.8	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B08011	Laboratory ID:	2B08011-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	44.4	88.8	70 - 125
trans-1,2-Dichloroethene	50.00	53.3	107	60 - 140
1,2-Dichloropropane	50.00	51.9	104	75 - 125
1,3-Dichloropropane	50.00	52.3	105	75 - 125
2,2-Dichloropropane	50.00	47.4	94.8	70 - 135
1,1-Dichloropropene	50.00	48.9	97.8	75 - 130
cis-1,3-Dichloropropene	50.00	56.8	114	70 - 130
trans-1,3-Dichloropropene	50.00	49.5	98.9	55 - 140
Ethylbenzene	50.00	51.3	103	75 - 125
Hexachlorobutadiene	50.00	50.4	101	50 - 140
2-Hexanone	100.0	119	119	55 - 130
Isopropylbenzene	50.00	48.0	96.0	75 - 125
p-Isopropyltoluene	50.00	49.9	99.8	75 - 130
Methylene chloride	50.00	53.0	106	55 - 140
Naphthalene	50.00	58.3	117	55 - 140
4-Methyl-2-pentanone	100.0	126	126	60 - 135
Methyl t-Butyl Ether	50.00	56.2	112	65 - 125
n-Propylbenzene	50.00	50.3	101	70 - 130
Styrene	50.00	51.7	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	54.2	108	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.7	109	80 - 130
Tetrachloroethene	50.00	48.8	97.5	45 - 150
Toluene	50.00	49.9	99.8	75 - 120
1,2,3-Trichlorobenzene	50.00	55.4	111	55 - 140
1,2,4-Trichlorobenzene	50.00	52.8	106	65 - 135
1,1,2-Trichloroethane	50.00	52.3	105	75 - 125
1,1,1-Trichloroethane	50.00	51.3	103	65 - 130
Trichloroethene	50.00	51.3	103	70 - 125
Trichlorofluoromethane	50.00	56.4	113	60 - 145
1,2,3-Trichloropropane	50.00	55.1	110	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B08011	Laboratory ID:	2B08011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.9	108	75 - 130
1,2,4-Trimethylbenzene	50.00	52.6	105	75 - 130
Vinyl chloride	50.00	64.5	129	50 - 145
Xylenes (total)	150.0	153	102	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B10017	Laboratory ID:	2B10017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	88.1	88.1	40 - 140
Benzene	50.00	51.0	102	80 - 120
Bromobenzene	50.00	50.3	101	75 - 125
Bromochloromethane	50.00	52.6	105	65 - 130
Bromodichloromethane	50.00	51.6	103	75 - 120
Bromoform	50.00	45.4	90.8	70 - 130
Bromomethane	50.00	49.5	99.0	30 - 145
n-Butylbenzene	50.00	52.6	105	70 - 135
2-Butanone	100.0	107	107	30 - 150
sec-Butylbenzene	50.00	51.6	103	70 - 125
tert-Butylbenzene	50.00	52.1	104	70 - 130
Carbon disulfide	50.00	38.2	76.3	35 - 160
Carbon tetrachloride	50.00	52.5	105	65 - 140
Chlorobenzene	50.00	49.2	98.4	80 - 120
Chloroethane	50.00	50.2	100	60 - 135
Chloroform	50.00	49.8	99.6	65 - 135
Chloromethane	50.00	46.3	92.7	40 - 125
2-Chlorotoluene	50.00	51.4	103	75 - 125
4-Chlorotoluene	50.00	51.1	102	75 - 130
Dibromochloromethane	50.00	53.1	106	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.5	93.1	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.8	104	80 - 120
Dibromomethane	50.00	51.9	104	75 - 125
1,2-Dichlorobenzene	50.00	50.8	102	70 - 120
1,3-Dichlorobenzene	50.00	49.4	98.8	75 - 125
1,4-Dichlorobenzene	50.00	49.6	99.2	75 - 125
Dichlorodifluoromethane	50.00	41.1	82.1	30 - 155
1,1-Dichloroethane	50.00	49.8	99.6	70 - 135
1,2-Dichloroethane	50.00	54.2	108	70 - 130
1,1-Dichloroethene	50.00	43.2	86.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B10017	Laboratory ID:	2B10017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	50.8	102	70 - 125
trans-1,2-Dichloroethene	50.00	49.1	98.2	60 - 140
1,2-Dichloropropane	50.00	53.1	106	75 - 125
1,3-Dichloropropane	50.00	52.0	104	75 - 125
2,2-Dichloropropane	50.00	54.3	109	70 - 135
1,1-Dichloropropene	50.00	50.5	101	75 - 130
cis-1,3-Dichloropropene	50.00	57.2	114	70 - 130
trans-1,3-Dichloropropene	50.00	48.2	96.4	55 - 140
Ethylbenzene	50.00	50.9	102	75 - 125
Hexachlorobutadiene	50.00	47.2	94.5	50 - 140
2-Hexanone	100.0	116	116	55 - 130
Isopropylbenzene	50.00	47.6	95.2	75 - 125
p-Isopropyltoluene	50.00	50.2	100	75 - 130
Methylene chloride	50.00	46.3	92.6	55 - 140
Naphthalene	50.00	50.9	102	55 - 140
4-Methyl-2-pentanone	100.0	124	124	60 - 135
Methyl t-Butyl Ether	50.00	51.1	102	65 - 125
n-Propylbenzene	50.00	51.2	102	70 - 130
Styrene	50.00	50.9	102	65 - 135
1,1,2,2-Tetrachloroethane	50.00	53.2	106	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.8	106	80 - 130
Tetrachloroethene	50.00	47.8	95.6	45 - 150
Toluene	50.00	49.3	98.7	75 - 120
1,2,3-Trichlorobenzene	50.00	50.4	101	55 - 140
1,2,4-Trichlorobenzene	50.00	50.6	101	65 - 135
1,1,2-Trichloroethane	50.00	51.3	103	75 - 125
1,1,1-Trichloroethane	50.00	53.0	106	65 - 130
Trichloroethene	50.00	51.7	103	70 - 125
Trichlorofluoromethane	50.00	50.3	101	60 - 145
1,2,3-Trichloropropane	50.00	52.5	105	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B10017	Laboratory ID:	2B10017-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	52.8	106	75 - 130
Vinyl chloride	50.00	55.2	110	50 - 145
Xylenes (total)	150.0	152	101	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13001	Laboratory ID:	2B13001-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	76.2	76.2	40 - 140
Benzene	50.00	49.3	98.6	80 - 120
Bromobenzene	50.00	48.3	96.6	75 - 125
Bromochloromethane	50.00	50.5	101	65 - 130
Bromodichloromethane	50.00	50.5	101	75 - 120
Bromoform	50.00	41.4	82.8	70 - 130
Bromomethane	50.00	55.4	111	30 - 145
n-Butylbenzene	50.00	52.3	105	70 - 135
2-Butanone	100.0	102	102	30 - 150
sec-Butylbenzene	50.00	50.1	100	70 - 125
tert-Butylbenzene	50.00	51.1	102	70 - 130
Carbon disulfide	50.00	35.8	71.7	35 - 160
Carbon tetrachloride	50.00	52.0	104	65 - 140
Chlorobenzene	50.00	46.2	92.4	80 - 120
Chloroethane	50.00	45.4	90.9	60 - 135
Chloroform	50.00	48.6	97.1	65 - 135
Chloromethane	50.00	35.3	70.6	40 - 125
2-Chlorotoluene	50.00	50.0	100	75 - 125
4-Chlorotoluene	50.00	50.3	101	75 - 130
Dibromochloromethane	50.00	48.4	96.8	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.4	90.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.5	95.1	80 - 120
Dibromomethane	50.00	50.1	100	75 - 125
1,2-Dichlorobenzene	50.00	49.0	98.0	70 - 120
1,3-Dichlorobenzene	50.00	47.8	95.7	75 - 125
1,4-Dichlorobenzene	50.00	48.6	97.3	75 - 125
Dichlorodifluoromethane	50.00	36.6	73.3	30 - 155
1,1-Dichloroethane	50.00	48.1	96.2	70 - 135
1,2-Dichloroethane	50.00	53.0	106	70 - 130
1,1-Dichloroethene	50.00	40.3	80.7	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13001	Laboratory ID:	2B13001-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	49.1	98.2	70 - 125
trans-1,2-Dichloroethene	50.00	45.8	91.7	60 - 140
1,2-Dichloropropane	50.00	51.1	102	75 - 125
1,3-Dichloropropane	50.00	48.2	96.4	75 - 125
2,2-Dichloropropane	50.00	53.5	107	70 - 135
1,1-Dichloropropene	50.00	49.7	99.5	75 - 130
cis-1,3-Dichloropropene	50.00	55.9	112	70 - 130
trans-1,3-Dichloropropene	50.00	45.8	91.5	55 - 140
Ethylbenzene	50.00	47.7	95.5	75 - 125
Hexachlorobutadiene	50.00	47.8	95.6	50 - 140
2-Hexanone	100.0	101	101	55 - 130
Isopropylbenzene	50.00	44.4	88.7	75 - 125
p-Isopropyltoluene	50.00	49.6	99.1	75 - 130
Methylene chloride	50.00	43.0	85.9	55 - 140
Naphthalene	50.00	53.2	106	55 - 140
4-Methyl-2-pentanone	100.0	112	112	60 - 135
Methyl t-Butyl Ether	50.00	48.3	96.7	65 - 125
n-Propylbenzene	50.00	50.3	101	70 - 130
Styrene	50.00	46.8	93.5	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.5	103	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.9	97.8	80 - 130
Tetrachloroethene	50.00	44.1	88.1	45 - 150
Toluene	50.00	46.1	92.2	75 - 120
1,2,3-Trichlorobenzene	50.00	51.7	103	55 - 140
1,2,4-Trichlorobenzene	50.00	50.2	100	65 - 135
1,1,2-Trichloroethane	50.00	47.5	95.1	75 - 125
1,1,1-Trichloroethane	50.00	51.9	104	65 - 130
Trichloroethene	50.00	50.7	101	70 - 125
Trichlorofluoromethane	50.00	47.5	95.0	60 - 145
1,2,3-Trichloropropane	50.00	48.5	97.0	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13001	Laboratory ID:	2B13001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.0	106	75 - 130
1,2,4-Trimethylbenzene	50.00	51.4	103	75 - 130
Vinyl chloride	50.00	46.4	92.8	50 - 145
Xylenes (total)	150.0	143	95.4	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B16015	Laboratory ID:	2B16015-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	99.9	99.9	40 - 140
Benzene	50.00	52.6	105	80 - 120
Bromobenzene	50.00	54.8	110	75 - 125
Bromochloromethane	50.00	56.2	112	65 - 130
Bromodichloromethane	50.00	51.4	103	75 - 120
Bromoform	50.00	56.3	113	70 - 130
Bromomethane	50.00	53.6	107	30 - 145
n-Butylbenzene	50.00	50.9	102	70 - 135
2-Butanone	100.0	111	111	30 - 150
sec-Butylbenzene	50.00	52.0	104	70 - 125
tert-Butylbenzene	50.00	51.3	103	70 - 130
Carbon disulfide	50.00	44.4	88.8	35 - 160
Carbon tetrachloride	50.00	52.3	105	65 - 140
Chlorobenzene	50.00	52.6	105	80 - 120
Chloroethane	50.00	54.4	109	60 - 135
Chloroform	50.00	51.5	103	65 - 135
Chloromethane	50.00	49.2	98.5	40 - 125
2-Chlorotoluene	50.00	50.8	102	75 - 125
4-Chlorotoluene	50.00	51.2	102	75 - 130
Dibromochloromethane	50.00	53.5	107	60 - 135
1,2-Dibromo-3-chloropropane	50.00	59.6	119	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.1	108	80 - 120
Dibromomethane	50.00	54.1	108	75 - 125
1,2-Dichlorobenzene	50.00	54.4	109	70 - 120
1,3-Dichlorobenzene	50.00	53.0	106	75 - 125
1,4-Dichlorobenzene	50.00	52.7	105	75 - 125
Dichlorodifluoromethane	50.00	49.1	98.1	30 - 155
1,1-Dichloroethane	50.00	52.5	105	70 - 135
1,2-Dichloroethane	50.00	53.2	106	70 - 130
1,1-Dichloroethene	50.00	51.0	102	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B16015	Laboratory ID:	2B16015-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	54.6	109	70 - 125
trans-1,2-Dichloroethene	50.00	56.0	112	60 - 140
1,2-Dichloropropane	50.00	51.4	103	75 - 125
1,3-Dichloropropane	50.00	55.0	110	75 - 125
2,2-Dichloropropane	50.00	55.7	111	70 - 135
1,1-Dichloropropene	50.00	51.0	102	75 - 130
cis-1,3-Dichloropropene	50.00	56.6	113	70 - 130
trans-1,3-Dichloropropene	50.00	50.5	101	55 - 140
Ethylbenzene	50.00	54.3	109	75 - 125
Hexachlorobutadiene	50.00	60.8	122	50 - 140
2-Hexanone	100.0	113	113	55 - 130
Isopropylbenzene	50.00	51.4	103	75 - 125
p-Isopropyltoluene	50.00	49.4	98.7	75 - 130
Methylene chloride	50.00	49.2	98.3	55 - 140
Naphthalene	50.00	47.9	95.7	55 - 140
4-Methyl-2-pentanone	100.0	114	114	60 - 135
Methyl t-Butyl Ether	50.00	55.1	110	65 - 125
n-Propylbenzene	50.00	51.5	103	70 - 130
Styrene	50.00	54.6	109	65 - 135
1,1,2,2-Tetrachloroethane	50.00	53.2	106	65 - 130
1,1,1,2-Tetrachloroethane	50.00	56.8	114	80 - 130
Tetrachloroethene	50.00	54.7	109	45 - 150
Toluene	50.00	54.6	109	75 - 120
1,2,3-Trichlorobenzene	50.00	48.4	96.7	55 - 140
1,2,4-Trichlorobenzene	50.00	45.9	91.9	65 - 135
1,1,2-Trichloroethane	50.00	55.0	110	75 - 125
1,1,1-Trichloroethane	50.00	54.3	109	65 - 130
Trichloroethene	50.00	54.0	108	70 - 125
Trichlorofluoromethane	50.00	51.3	103	60 - 145
1,2,3-Trichloropropane	50.00	57.3	115	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B16015	Laboratory ID:	2B16015-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	52.8	106	75 - 130
1,2,4-Trimethylbenzene	50.00	52.1	104	75 - 130
Vinyl chloride	50.00	57.1	114	50 - 145
Xylenes (total)	150.0	161	107	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	123	123	21.1	30	40 - 140
Benzene	50.00	51.9	104	1.28	30	80 - 120
Bromobenzene	50.00	52.5	105	4.19	30	75 - 125
Bromochloromethane	50.00	53.7	107	4.59	30	65 - 130
Bromodichloromethane	**50.00**	**61.5**	**123 ***	**18.0**	**30**	**75 - 120**
Bromoform	50.00	57.3	115	1.85	30	70 - 130
Bromomethane	50.00	44.2	88.5	19.1	30	30 - 145
n-Butylbenzene	50.00	53.2	106	4.46	30	70 - 135
2-Butanone	100.0	123	123	10.1	30	30 - 150
sec-Butylbenzene	50.00	52.2	104	0.365	30	70 - 125
tert-Butylbenzene	50.00	53.7	107	4.51	30	70 - 130
Carbon disulfide	50.00	43.8	87.7	1.20	30	35 - 160
Carbon tetrachloride	**50.00**	**71.7**	**143 ***	**31.3 ***	**30**	**65 - 140**
Chlorobenzene	50.00	47.7	95.3	9.87	30	80 - 120
Chloroethane	50.00	45.2	90.3	18.5	30	60 - 135
Chloroform	50.00	60.5	121	16.0	30	65 - 135
Chloromethane	50.00	43.6	87.3	12.0	30	40 - 125
2-Chlorotoluene	50.00	53.1	106	4.40	30	75 - 125
4-Chlorotoluene	50.00	53.0	106	3.51	30	75 - 130
Dibromochloromethane	50.00	53.4	107	0.281	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	57.4	115	3.73	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.5	99.0	8.93	30	80 - 120
Dibromomethane	50.00	58.3	117	7.48	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B16015	Laboratory ID:	2B16015-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.
1,2-Dichlorobenzene	50.00	53.1	106	2.44	30	70 - 120
1,3-Dichlorobenzene	50.00	50.4	101	5.12	30	75 - 125
1,4-Dichlorobenzene	50.00	49.6	99.1	6.10	30	75 - 125
Dichlorodifluoromethane	50.00	61.1	122	21.9	30	30 - 155
1,1-Dichloroethane	50.00	55.8	112	6.11	30	70 - 135
1,2-Dichloroethane	**50.00**	**70.2**	**140 ***	**27.5**	**30**	**70 - 130**
1,1-Dichloroethene	50.00	48.4	96.8	5.17	30	70 - 130
cis-1,2-Dichloroethene	50.00	52.9	106	3.07	30	70 - 125
trans-1,2-Dichloroethene	50.00	51.2	102	9.09	30	60 - 140
1,2-Dichloropropane	50.00	50.3	101	2.26	30	75 - 125
1,3-Dichloropropane	50.00	52.2	104	5.26	30	75 - 125
2,2-Dichloropropane	50.00	64.3	129	14.3	30	70 - 135
1,1-Dichloropropene	50.00	56.8	114	10.8	30	75 - 130
cis-1,3-Dichloropropene	50.00	60.5	121	6.64	30	70 - 130
trans-1,3-Dichloropropene	50.00	50.2	100	0.536	30	55 - 140
Ethylbenzene	50.00	50.0	100	8.21	30	75 - 125
Hexachlorobutadiene	50.00	55.7	111	8.76	30	50 - 140
2-Hexanone	100.0	111	111	1.97	30	55 - 130
Isopropylbenzene	50.00	50.5	101	1.71	30	75 - 125
p-Isopropyltoluene	50.00	50.4	101	2.03	30	75 - 130
Methylene chloride	50.00	47.0	94.0	4.51	30	55 - 140
Naphthalene	50.00	36.2	72.4	27.7	30	55 - 140
4-Methyl-2-pentanone	100.0	126	126	9.67	30	60 - 135
Methyl t-Butyl Ether	50.00	60.9	122	10.0	30	65 - 125
n-Propylbenzene	50.00	51.5	103	0.0971	30	70 - 130
Styrene	50.00	48.3	96.7	12.1	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.3	103	3.81	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	55.5	111	2.37	30	80 - 130
Tetrachloroethene	50.00	50.4	101	8.01	30	45 - 150
Toluene	50.00	45.0	90.0	19.3	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B16015	Laboratory ID:	2B16015-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.
1,2,3-Trichlorobenzene	50.00	39.5	79.0	20.1	30	55 - 140
1,2,4-Trichlorobenzene	50.00	40.4	80.7	12.9	30	65 - 135
1,1,2-Trichloroethane	50.00	49.5	98.9	10.5	30	75 - 125
1,1,1-Trichloroethane	**50.00**	**72.3**	**145 ***	**28.4**	**30**	**65 - 130**
Trichloroethene	50.00	57.8	116	6.79	30	70 - 125
Trichlorofluoromethane	50.00	71.1	142	32.3 *	30	60 - 145
1,2,3-Trichloropropane	50.00	58.5	117	2.12	30	75 - 125
1,3,5-Trimethylbenzene	50.00	53.8	108	1.86	30	75 - 130
1,2,4-Trimethylbenzene	50.00	53.6	107	2.97	30	75 - 130
Vinyl chloride	50.00	57.2	114	0.210	30	50 - 145
Xylenes (total)	150.0	154	103	4.18	30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B08011

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	8.13	101	92.9		40 - 140
Benzene	50.00	ND	54.3	109		80 - 120
Bromobenzene	50.00	ND	49.5	99.1		75 - 125
Bromochloromethane	50.00	ND	52.4	105		65 - 130
Bromodichloromethane	50.00	ND	52.9	106		75 - 120
Bromoform	50.00	ND	41.7	83.3		70 - 130
Bromomethane	50.00	ND	47.8	95.7		30 - 145
n-Butylbenzene	50.00	ND	50.5	101		70 - 135
2-Butanone	100.0	ND	110	110		30 - 150
sec-Butylbenzene	50.00	ND	52.0	104		70 - 125
tert-Butylbenzene	50.00	ND	51.7	103		70 - 130
Carbon disulfide	50.00	ND	40.1	80.1		35 - 160
Carbon tetrachloride	50.00	ND	54.7	109		65 - 140
Chlorobenzene	50.00	ND	47.9	95.9		80 - 120
Chloroethane	50.00	ND	51.4	103		60 - 135
Chloroform	50.00	ND	51.6	103		65 - 135
Chloromethane	50.00	ND	49.1	98.1		40 - 125
2-Chlorotoluene	50.00	ND	52.7	105		75 - 125
4-Chlorotoluene	50.00	ND	51.8	104		75 - 130
Dibromochloromethane	50.00	ND	49.8	99.5		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	45.6	91.3		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	50.7	101		80 - 120
Dibromomethane	50.00	ND	54.1	108		75 - 125
1,2-Dichlorobenzene	50.00	ND	50.1	100		70 - 120
1,3-Dichlorobenzene	50.00	ND	48.3	96.7		75 - 125
1,4-Dichlorobenzene	50.00	ND	48.9	97.8		75 - 125
Dichlorodifluoromethane	50.00	ND	44.6	89.2		30 - 155
1,1-Dichloroethane	50.00	ND	51.3	103		70 - 135
1,2-Dichloroethane	50.00	1.55	58.4	114		70 - 130
1,1-Dichloroethene	50.00	ND	45.0	90.0		70 - 130
cis-1,2-Dichloroethene	50.00	ND	52.1	104		70 - 125
trans-1,2-Dichloroethene	50.00	ND	48.6	97.2		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B08011

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	55.8	112		75 - 125
1,3-Dichloropropane	50.00	ND	51.6	103		75 - 125
2,2-Dichloropropane	50.00	ND	31.4	62.9	*	70 - 135
1,1-Dichloropropene	50.00	ND	53.1	106		75 - 130
cis-1,3-Dichloropropene	50.00	ND	53.4	107		70 - 130
trans-1,3-Dichloropropene	50.00	ND	43.6	87.3		55 - 140
Ethylbenzene	50.00	ND	50.4	101		75 - 125
Hexachlorobutadiene	50.00	ND	39.8	79.5		50 - 140
2-Hexanone	100.0	ND	116	116		55 - 130
Isopropylbenzene	50.00	0.530	48.2	95.4		75 - 125
p-Isopropyltoluene	50.00	ND	48.1	96.3		75 - 130
Methylene chloride	50.00	ND	47.5	95.0		55 - 140
Naphthalene	50.00	ND	50.4	101		55 - 140
4-Methyl-2-pentanone	100.0	ND	132	132		60 - 135
Methyl t-Butyl Ether	50.00	ND	49.3	98.6		65 - 125
n-Propylbenzene	50.00	ND	51.9	104		70 - 130
Styrene	50.00	ND	49.8	99.7		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	55.6	111		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	49.2	98.4		80 - 130
Tetrachloroethene	50.00	ND	44.7	89.5		45 - 150
Toluene	50.00	ND	49.2	98.3		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	47.1	94.2		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	46.7	93.3		65 - 135
1,1,2-Trichloroethane	50.00	ND	51.1	102		75 - 125
1,1,1-Trichloroethane	50.00	ND	55.2	110		65 - 130
Trichloroethene	50.00	ND	53.3	107		70 - 125
Trichlorofluoromethane	50.00	ND	52.2	104		60 - 145
1,2,3-Trichloropropane	50.00	ND	51.5	103		75 - 125
1,3,5-Trimethylbenzene	50.00	0.340	55.2	110		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	53.3	107		75 - 130
Vinyl chloride	50.00	ND	59.0	118		50 - 145
Xylenes (total)	150.0	ND	153	102		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B08011

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	99.3	91.2	1.70		30	40 - 140
Benzene	50.00	52.2	104	3.92		30	80 - 120
Bromobenzene	50.00	49.2	98.3	0.729		30	75 - 125
Bromochloromethane	50.00	51.6	103	1.54		30	65 - 130
Bromodichloromethane	50.00	52.5	105	0.721		30	75 - 120
Bromoform	50.00	42.1	84.2	1.00		30	70 - 130
Bromomethane	50.00	50.4	101	5.21		30	30 - 145
n-Butylbenzene	50.00	49.0	98.0	2.91		30	70 - 135
2-Butanone	100.0	111	111	0.961		30	30 - 150
sec-Butylbenzene	50.00	49.9	99.8	4.06		30	70 - 125
tert-Butylbenzene	50.00	50.4	101	2.49		30	70 - 130
Carbon disulfide	50.00	39.2	78.5	2.04		30	35 - 160
Carbon tetrachloride	50.00	52.6	105	4.01		30	65 - 140
Chlorobenzene	50.00	46.9	93.9	2.11		30	80 - 120
Chloroethane	50.00	50.8	102	1.31		30	60 - 135
Chloroform	50.00	50.5	101	2.11		30	65 - 135
Chloromethane	50.00	48.9	97.7	0.429		30	40 - 125
2-Chlorotoluene	50.00	51.1	102	2.97		30	75 - 125
4-Chlorotoluene	50.00	50.0	100	3.42		30	75 - 130
Dibromochloromethane	50.00	49.7	99.3	0.201		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.1	92.2	0.981		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.3	101	0.713		30	80 - 120
Dibromomethane	50.00	53.8	108	0.500		30	75 - 125
1,2-Dichlorobenzene	50.00	49.5	99.1	1.10		30	70 - 120
1,3-Dichlorobenzene	50.00	47.9	95.8	0.914		30	75 - 125
1,4-Dichlorobenzene	50.00	48.4	96.8	1.05		30	75 - 125
Dichlorodifluoromethane	50.00	42.4	84.8	5.15		30	30 - 155
1,1-Dichloroethane	50.00	50.9	102	0.743		30	70 - 135
1,2-Dichloroethane	50.00	57.5	112	1.69		30	70 - 130
1,1-Dichloroethene	50.00	44.2	88.5	1.73		30	70 - 130
cis-1,2-Dichloroethene	50.00	51.3	103	1.57		30	70 - 125
trans-1,2-Dichloroethene	50.00	48.0	96.0	1.22		30	60 - 140
1,2-Dichloropropane	50.00	54.1	108	3.08		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B08011

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	50.7	101	1.80		30	75 - 125
2,2-Dichloropropane	50.00	30.2	60.4	3.96	*	30	70 - 135
1,1-Dichloropropene	50.00	51.2	102	3.70		30	75 - 130
cis-1,3-Dichloropropene	50.00	52.5	105	1.76		30	70 - 130
trans-1,3-Dichloropropene	50.00	43.4	86.8	0.575		30	55 - 140
Ethylbenzene	50.00	48.6	97.1	3.80		30	75 - 125
Hexachlorobutadiene	50.00	40.0	80.0	0.652		30	50 - 140
2-Hexanone	100.0	114	114	1.60		30	55 - 130
Isopropylbenzene	50.00	46.5	91.9	3.61		30	75 - 125
p-Isopropyltoluene	50.00	47.3	94.7	1.68		30	75 - 130
Methylene chloride	50.00	47.8	95.6	0.587		30	55 - 140
Naphthalene	50.00	52.1	104	3.37		30	55 - 140
4-Methyl-2-pentanone	100.0	128	128	2.94		30	60 - 135
Methyl t-Butyl Ether	50.00	50.4	101	2.21		30	65 - 125
n-Propylbenzene	50.00	50.4	101	2.82		30	70 - 130
Styrene	50.00	49.1	98.1	1.60		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	55.2	110	0.903		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.8	97.6	0.857		30	80 - 130
Tetrachloroethene	50.00	43.2	86.4	3.48		30	45 - 150
Toluene	50.00	47.8	95.6	2.78		30	75 - 120
1,2,3-Trichlorobenzene	50.00	48.0	95.9	1.77		30	55 - 140
1,2,4-Trichlorobenzene	50.00	46.8	93.7	0.406		30	65 - 135
1,1,2-Trichloroethane	50.00	51.1	102	0.0196		30	75 - 125
1,1,1-Trichloroethane	50.00	53.1	106	3.86		30	65 - 130
Trichloroethene	50.00	51.6	103	3.32		30	70 - 125
Trichlorofluoromethane	50.00	50.6	101	3.27		30	60 - 145
1,2,3-Trichloropropane	50.00	51.4	103	0.233		30	75 - 125
1,3,5-Trimethylbenzene	50.00	53.1	105	3.90		30	75 - 130
1,2,4-Trimethylbenzene	50.00	52.0	104	2.58		30	75 - 130
Vinyl chloride	50.00	56.9	114	3.62		30	50 - 145
Xylenes (total)	150.0	149	99.3	2.88		30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13001

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	87.3	87.3		40 - 140
Benzene	50.00	ND	53.2	106		80 - 120
Bromobenzene	50.00	ND	50.0	99.9		75 - 125
Bromochloromethane	50.00	ND	54.8	110		65 - 130
Bromodichloromethane	50.00	ND	53.7	107		75 - 120
Bromoform	50.00	ND	42.3	84.5		70 - 130
Bromomethane	50.00	ND	44.9	89.9		30 - 145
n-Butylbenzene	50.00	ND	45.2	90.3		70 - 135
2-Butanone	100.0	ND	99.0	99.0		30 - 150
sec-Butylbenzene	50.00	ND	49.6	99.2		70 - 125
tert-Butylbenzene	50.00	ND	51.5	103		70 - 130
Carbon disulfide	50.00	ND	34.8	69.6		35 - 160
Carbon tetrachloride	50.00	ND	56.4	113		65 - 140
Chlorobenzene	50.00	ND	49.2	98.4		80 - 120
Chloroethane	50.00	ND	44.5	89.0		60 - 135
Chloroform	50.00	ND	52.6	105		65 - 135
Chloromethane	50.00	ND	39.3	78.6		40 - 125
2-Chlorotoluene	50.00	ND	50.6	101		75 - 125
4-Chlorotoluene	50.00	ND	49.2	98.5		75 - 130
Dibromochloromethane	50.00	ND	51.6	103		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	42.6	85.3		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	50.5	101		80 - 120
Dibromomethane	50.00	ND	53.4	107		75 - 125
1,2-Dichlorobenzene	50.00	ND	49.4	98.8		70 - 120
1,3-Dichlorobenzene	50.00	ND	48.2	96.3		75 - 125
1,4-Dichlorobenzene	50.00	ND	47.9	95.7		75 - 125
Dichlorodifluoromethane	50.00	ND	41.2	82.3		30 - 155
1,1-Dichloroethane	50.00	ND	51.0	102		70 - 135
1,2-Dichloroethane	50.00	ND	56.5	113		70 - 130
1,1-Dichloroethene	50.00	ND	41.3	82.5		70 - 130
cis-1,2-Dichloroethene	50.00	ND	54.4	109		70 - 125
trans-1,2-Dichloroethene	50.00	ND	48.9	97.8		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13001

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	54.0	108		75 - 125
1,3-Dichloropropane	50.00	ND	51.6	103		75 - 125
2,2-Dichloropropane	50.00	ND	13.3	26.6	*	70 - 135
1,1-Dichloropropene	50.00	ND	52.7	105		75 - 130
cis-1,3-Dichloropropene	50.00	ND	45.9	91.7		70 - 130
trans-1,3-Dichloropropene	50.00	ND	37.1	74.1		55 - 140
Ethylbenzene	50.00	ND	51.1	102		75 - 125
Hexachlorobutadiene	50.00	ND	37.8	75.5		50 - 140
2-Hexanone	100.0	ND	106	106		55 - 130
Isopropylbenzene	50.00	ND	47.4	94.9		75 - 125
p-Isopropyltoluene	50.00	ND	46.7	93.3		75 - 130
Methylene chloride	50.00	ND	43.4	86.7		55 - 140
Naphthalene	50.00	ND	46.1	92.1		55 - 140
4-Methyl-2-pentanone	100.0	ND	120	120		60 - 135
Methyl t-Butyl Ether	50.00	ND	48.6	97.2		65 - 125
n-Propylbenzene	50.00	ND	49.6	99.2		70 - 130
Styrene	50.00	ND	44.0	88.0		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	51.6	103		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	52.4	105		80 - 130
Tetrachloroethene	50.00	ND	46.1	92.2		45 - 150
Toluene	50.00	ND	49.2	98.3		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	43.9	87.7		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	43.3	86.6		65 - 135
1,1,2-Trichloroethane	50.00	ND	50.5	101		75 - 125
1,1,1-Trichloroethane	50.00	ND	56.3	113		65 - 130
Trichloroethene	50.00	ND	54.1	108		70 - 125
Trichlorofluoromethane	50.00	ND	50.2	100		60 - 145
1,2,3-Trichloropropane	50.00	ND	51.2	102		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	52.6	105		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	51.0	102		75 - 130
Vinyl chloride	50.00	ND	45.6	91.1		50 - 145
Xylenes (total)	150.0	ND	152	101		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13001

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	53.1	53.1	48.8	*	30	40 - 140
Benzene	50.00	52.0	104	2.43		30	80 - 120
Bromobenzene	50.00	50.3	101	0.738		30	75 - 125
Bromochloromethane	50.00	54.3	109	0.953		30	65 - 130
Bromodichloromethane	50.00	53.7	107	0.0745		30	75 - 120
Bromoform	50.00	43.7	87.5	3.44		30	70 - 130
Bromomethane	50.00	46.2	92.4	2.74		30	30 - 145
n-Butylbenzene	50.00	44.6	89.2	1.27		30	70 - 135
2-Butanone	100.0	103	103	4.32		30	30 - 150
sec-Butylbenzene	50.00	49.4	98.8	0.485		30	70 - 125
tert-Butylbenzene	50.00	51.5	103	0.0971		30	70 - 130
Carbon disulfide	50.00	37.4	74.9	7.39		30	35 - 160
Carbon tetrachloride	50.00	54.8	110	2.93		30	65 - 140
Chlorobenzene	50.00	49.5	99.1	0.648		30	80 - 120
Chloroethane	50.00	45.8	91.7	3.01		30	60 - 135
Chloroform	50.00	51.5	103	2.09		30	65 - 135
Chloromethane	50.00	39.0	78.1	0.740		30	40 - 125
2-Chlorotoluene	50.00	50.7	101	0.158		30	75 - 125
4-Chlorotoluene	50.00	49.6	99.2	0.749		30	75 - 130
Dibromochloromethane	50.00	52.0	104	0.907		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.1	90.2	5.58		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.3	103	1.47		30	80 - 120
Dibromomethane	50.00	53.5	107	0.0935		30	75 - 125
1,2-Dichlorobenzene	50.00	49.9	99.8	0.926		30	70 - 120
1,3-Dichlorobenzene	50.00	47.6	95.2	1.23		30	75 - 125
1,4-Dichlorobenzene	50.00	48.9	97.7	2.09		30	75 - 125
Dichlorodifluoromethane	50.00	38.3	76.6	7.12		30	30 - 155
1,1-Dichloroethane	50.00	49.8	99.7	2.34		30	70 - 135
1,2-Dichloroethane	50.00	55.9	112	1.12		30	70 - 130
1,1-Dichloroethene	50.00	39.6	79.3	4.00		30	70 - 130
cis-1,2-Dichloroethene	50.00	52.8	106	2.96		30	70 - 125
trans-1,2-Dichloroethene	50.00	47.0	94.0	3.94		30	60 - 140
1,2-Dichloropropane	50.00	53.4	107	1.15		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13001

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	51.4	103	0.349		30	75 - 125
2,2-Dichloropropane	50.00	12.8	25.5	4.37	*	30	70 - 135
1,1-Dichloropropene	50.00	51.0	102	3.12		30	75 - 130
cis-1,3-Dichloropropene	50.00	46.0	92.0	0.305		30	70 - 130
trans-1,3-Dichloropropene	50.00	37.5	74.9	1.07		30	55 - 140
Ethylbenzene	50.00	50.3	101	1.58		30	75 - 125
Hexachlorobutadiene	50.00	40.2	80.3	6.16		30	50 - 140
2-Hexanone	100.0	105	105	0.595		30	55 - 130
Isopropylbenzene	50.00	47.2	94.4	0.507		30	75 - 125
p-Isopropyltoluene	50.00	46.3	92.6	0.818		30	75 - 130
Methylene chloride	50.00	47.0	94.1	8.19		30	55 - 140
Naphthalene	50.00	49.8	99.5	7.72		30	55 - 140
4-Methyl-2-pentanone	100.0	118	118	1.61		30	60 - 135
Methyl t-Butyl Ether	50.00	48.6	97.3	0.0411		30	65 - 125
n-Propylbenzene	50.00	49.2	98.3	0.871		30	70 - 130
Styrene	50.00	44.9	89.9	2.09		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	52.3	105	1.41		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.9	106	0.988		30	80 - 130
Tetrachloroethene	50.00	45.6	91.3	1.05		30	45 - 150
Toluene	50.00	48.8	97.6	0.796		30	75 - 120
1,2,3-Trichlorobenzene	50.00	46.8	93.5	6.42		30	55 - 140
1,2,4-Trichlorobenzene	50.00	45.3	90.7	4.53		30	65 - 135
1,1,2-Trichloroethane	50.00	51.7	103	2.39		30	75 - 125
1,1,1-Trichloroethane	50.00	55.3	111	1.77		30	65 - 130
Trichloroethene	50.00	52.7	105	2.68		30	70 - 125
Trichlorofluoromethane	50.00	49.4	98.8	1.63		30	60 - 145
1,2,3-Trichloropropane	50.00	52.1	104	1.68		30	75 - 125
1,3,5-Trimethylbenzene	50.00	53.0	106	0.663		30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.4	103	0.723		30	75 - 130
Vinyl chloride	50.00	46.4	92.9	1.89		30	50 - 145
Xylenes (total)	150.0	150	100	1.30		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B07008 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/07/12 00:00	5.00	5.00
GW0386	1202035-03	02/07/12 00:00	5.00	5.00
GW0402	1202035-05	02/07/12 00:00	5.00	5.00
GW0419	1202035-07	02/07/12 00:00	5.00	5.00
GW0498	1202035-09	02/07/12 00:00	5.00	5.00
GW8042-AB	1202035-11	02/07/12 00:00	5.00	5.00
GW8169-TB	1202035-12	02/07/12 00:00	5.00	5.00
Blank	2B07008-BLK1	02/07/12 00:00	5.00	5.00
LCS	2B07008-BS1	02/07/12 00:00	5.00	5.00
LCS Dup	2B07008-BSD1	02/07/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B08011 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0452	1202043-01	02/09/12 00:00	5.00	5.00
GW0489	1202043-03	02/09/12 00:00	5.00	5.00
GW0491	1202043-05	02/09/12 00:00	5.00	5.00
GW0492	1202043-07	02/09/12 00:00	5.00	5.00
GW8170-TB	1202043-09	02/09/12 00:00	5.00	5.00
Blank	2B08011-BLK1	02/09/12 00:00	5.00	5.00
LCS	2B08011-BS1	02/09/12 00:00	5.00	5.00
GW0452	2B08011-MS1	02/09/12 00:00	5.00	5.00
GW0452	2B08011-MSD1	02/09/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B10017 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0454	1202054-03	02/10/12 00:00	5.00	5.00
GW0483	1202054-05	02/10/12 00:00	5.00	5.00
GW8171-TB	1202054-11	02/10/12 00:00	5.00	5.00
GW8041-RB	1202069-11	02/10/12 00:00	5.00	5.00
GW8172-TB	1202069-13	02/10/12 00:00	5.00	5.00
Blank	2B10017-BLK1	02/10/12 00:00	5.00	5.00
LCS	2B10017-BS1	02/10/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B13001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0453	1202054-01RE1	02/13/12 00:00	5.00	5.00
GW0484	1202054-07	02/13/12 00:00	5.00	5.00
GW0485	1202054-09	02/13/12 00:00	5.00	5.00
GW0408	1202069-01	02/13/12 00:00	5.00	5.00
GW0426	1202069-03	02/13/12 00:00	5.00	5.00
GW0427	1202069-05	02/13/12 00:00	5.00	5.00
GW0479	1202069-07	02/13/12 00:00	5.00	5.00
GW0490	1202069-09	02/13/12 00:00	5.00	5.00
Blank	2B13001-BLK1	02/13/12 00:00	5.00	5.00
LCS	2B13001-BS1	02/13/12 00:00	5.00	5.00
GW0490	2B13001-MS1	02/13/12 00:00	5.00	5.00
GW0490	2B13001-MSD1	02/13/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B16015 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0406	1202080-01	02/16/12 00:00	5.00	5.00
GW0416	1202080-03	02/16/12 00:00	5.00	5.00
GW0417	1202080-05	02/16/12 00:00	5.00	5.00
GW0425	1202080-07	02/16/12 00:00	5.00	5.00
GW0448	1202080-09	02/16/12 00:00	5.00	5.00
GW8173-TB	1202080-11	02/16/12 00:00	5.00	5.00
Blank	2B16015-BLK1	02/16/12 00:00	5.00	5.00
LCS	2B16015-BS1	02/16/12 00:00	5.00	5.00
LCS Dup	2B16015-BSD1	02/16/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0130TUN1.D	Injection Date:	01/30/12
Instrument ID:	MS-VOA6	Injection Time:	06:49
Sequence:	2B03205	Lab Sample ID:	2B03205-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.2	PASS
75	30 - 60% of 95	50.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.63	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	69.9	PASS
175	5 - 9% of 174	7.17	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.41	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0207TUN1.D	Injection Date:	02/07/12
Instrument ID:	MS-VOA6	Injection Time:	10:51
Sequence:	2B03906	Lab Sample ID:	2B03906-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	33	PASS
75	30 - 60% of 95	54.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.73	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	59.1	PASS
175	5 - 9% of 174	7.33	PASS
176	95 - 101% of 174	95.6	PASS
177	5 - 9% of 176	6.72	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0209TUN1.D	Injection Date:	02/09/12
Instrument ID:	MS-VOA6	Injection Time:	11:02
Sequence:	2B04105	Lab Sample ID:	2B04105-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	32.5	PASS
75	30 - 60% of 95	55	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.63	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	62.2	PASS
175	5 - 9% of 174	7.03	PASS
176	95 - 101% of 174	95.9	PASS
177	5 - 9% of 176	6.54	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0210TUN1.D	Injection Date:	02/10/12
Instrument ID:	MS-VOA6	Injection Time:	09:52
Sequence:	2B04405	Lab Sample ID:	2B04405-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	29.1	PASS
75	30 - 60% of 95	51.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.62	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	67.8	PASS
175	5 - 9% of 174	7.08	PASS
176	95 - 101% of 174	97.3	PASS
177	5 - 9% of 176	6.37	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0213TUN1.D	Injection Date:	02/13/12
Instrument ID:	MS-VOA6	Injection Time:	07:09
Sequence:	2B04502	Lab Sample ID:	2B04502-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	30.6	PASS
75	30 - 60% of 95	52.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.76	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	60.8	PASS
175	5 - 9% of 174	7.24	PASS
176	95 - 101% of 174	96	PASS
177	5 - 9% of 176	6.76	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0214TU1.D	Injection Date:	02/14/12
Instrument ID:	MS-VOA5	Injection Time:	07:49
Sequence:	2B04703	Lab Sample ID:	2B04703-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	25	PASS
75	30 - 60% of 95	52.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.73	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	66.4	PASS
175	5 - 9% of 174	6.79	PASS
176	95 - 101% of 174	98.3	PASS
177	5 - 9% of 176	6.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0216TU1.D	Injection Date:	02/16/12
Instrument ID:	MS-VOA5	Injection Time:	08:34
Sequence:	2B04803	Lab Sample ID:	2B04803-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26	PASS
75	30 - 60% of 95	53.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	5.79	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	60.2	PASS
175	5 - 9% of 174	7.52	PASS
176	95 - 101% of 174	99.1	PASS
177	5 - 9% of 176	6.06	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03205	Instrument:	MS-VOA6
Calibration:	2033002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03205-TUN1	0130TUN1.D	01/30/12 06:49
Cal Standard	2B03205-CAL1	0130CAL1.D	01/30/12 07:42
Cal Standard	2B03205-CAL2	0130CAL2.D	01/30/12 08:09
Cal Standard	2B03205-CAL3	0130CAL3.D	01/30/12 08:36
Cal Standard	2B03205-CAL4	0130CAL4.D	01/30/12 09:03
Cal Standard	2B03205-CAL5	0130CAL5.D	01/30/12 09:29
Cal Standard	2B03205-CAL6	0130CAL6.D	01/30/12 09:56
Cal Standard	2B03205-CAL7	0130CAL7.D	01/30/12 10:22
Cal Standard	2B03205-CAL8	0130CAL8.D	01/30/12 10:49
Cal Standard	2B03205-CAL9	0130CAL9.D	01/30/12 11:16
Initial Cal Check	2B03205-ICV4	0130ICV4.D	01/30/12 13:37

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03906	Instrument:	MS-VOA6
Calibration:	2033002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B03906-TUN1	0207TUN1.D	02/07/12 10:51
Calibration Check	2B03906-CCV1	0207CCV1.D	02/07/12 11:17
LCS	2B07008-BS1	0207LCS1.D	02/07/12 11:44
Blank	2B07008-BLK1	0207BLK1.D	02/07/12 13:04
GW8169-TB	1202035-12	0203512.D	02/07/12 13:31
GW8042-AB	1202035-11	0203511.D	02/07/12 13:57
GW0381	1202035-01	0203501.D	02/07/12 14:24
GW0386	1202035-03	0203503.D	02/07/12 14:51
GW0402	1202035-05	0203505.D	02/07/12 15:17
GW0419	1202035-07	0203507.D	02/07/12 15:44
GW0498	1202035-09	0203509.D	02/07/12 16:11
LCS Dup	2B07008-BSD1	0207LCD1.D	02/07/12 16:38

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04105	Instrument:	MS-VOA6
Calibration:	2033002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04105-TUN1	0209TUN1.D	02/09/12 11:02
Calibration Check	2B04105-CCV1	0209CCV1.D	02/09/12 11:28
LCS	2B08011-BS1	0209LCS1.D	02/09/12 11:55
Blank	2B08011-BLK1	0209BLK1.D	02/09/12 13:15
GW8170-TB	1202043-09	0204309.D	02/09/12 13:42
GW0452	1202043-01	0204301.D	02/09/12 14:08
GW0489	1202043-03	0204303.D	02/09/12 14:35
GW0491	1202043-05	0204305.D	02/09/12 15:02
GW0492	1202043-07	0204307.D	02/09/12 15:28
GW0452	2B08011-MS1	0204301M.D	02/09/12 19:02
GW0452	2B08011-MSD1	0204301S.D	02/09/12 19:29

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04405	Instrument:	MS-VOA6
Calibration:	2033002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04405-TUN1	0210TUN1.D	02/10/12 09:52
Calibration Check	2B04405-CCV1	0210CCV1.D	02/10/12 10:25
LCS	2B10017-BS1	0210LCS1.D	02/10/12 11:11
Blank	2B10017-BLK1	0210BLK1.D	02/10/12 12:31
GW8171-TB	1202054-11	0205411.D	02/10/12 13:24
GW8172-TB	1202069-13	0206913.D	02/10/12 13:51
GW8041-RB	1202069-11	0206911.D	02/10/12 14:17
GW0454	1202054-03	0205403.D	02/10/12 16:04
GW0483	1202054-05	0205405.D	02/10/12 16:31

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04502	Instrument:	MS-VOA6
Calibration:	2033002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04502-TUN1	0213TUN1.D	02/13/12 07:09
Calibration Check	2B04502-CCV1	0213CCV1.D	02/13/12 07:36
LCS	2B13001-BS1	0213LCS1.D	02/13/12 08:15
Blank	2B13001-BLK1	0213BLK1.D	02/13/12 10:39
GW0484	1202054-07	0205407.D	02/13/12 11:06
GW0485	1202054-09	0205409.D	02/13/12 11:32
GW0408	1202069-01	0206901.D	02/13/12 11:59
GW0426	1202069-03	0206903.D	02/13/12 12:26
GW0427	1202069-05	0206905.D	02/13/12 12:52
GW0490	1202069-09	0206909.D	02/13/12 13:19
GW0453	1202054-01RE1	0205401R.D	02/13/12 13:46
GW0479	1202069-07	0206907D.D	02/13/12 14:12
GW0490	2B13001-MS1	0206909M.D	02/13/12 17:19
GW0490	2B13001-MSD1	0206909S.D	02/13/12 17:46

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04703	Instrument:	MS-VOA5
Calibration:	2048001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04703-TUN1	0214TU1.D	02/14/12 07:49
Cal Standard	2B04703-CAL1	0214CAL1.D	02/14/12 08:40
Cal Standard	2B04703-CAL2	0214CAL2.D	02/14/12 09:05
Cal Standard	2B04703-CAL3	0214CAL3.D	02/14/12 09:30
Cal Standard	2B04703-CAL4	0214CAL4.D	02/14/12 09:56
Cal Standard	2B04703-CAL5	0214CAL5.D	02/14/12 10:21
Cal Standard	2B04703-CAL6	0214CAL6.D	02/14/12 10:46
Cal Standard	2B04703-CAL7	0214CAL7.D	02/14/12 11:11
Cal Standard	2B04703-CAL8	0214CAL8.D	02/14/12 11:36
Cal Standard	2B04703-CAL9	0214CAL9.D	02/14/12 12:01
Initial Cal Check	2B04703-ICV1	0214ICV1.D	02/14/12 12:52

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04803	Instrument:	MS-VOA5
Calibration:	2048001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04803-TUN1	0216TU1.D	02/16/12 08:34
Calibration Check	2B04803-CCV1	0216CCV1.D	02/16/12 08:59
LCS	2B16015-BS1	0216LCS1.D	02/16/12 09:24
Blank	2B16015-BLK1	0216BL1.D	02/16/12 10:40
GW8173-TB	1202080-11	0208011.D	02/16/12 11:30
GW0406	1202080-01	0208001.D	02/16/12 13:11
GW0416	1202080-03	0208003.D	02/16/12 13:36
GW0417	1202080-05	0208005.D	02/16/12 14:01
GW0425	1202080-07	0208007.D	02/16/12 14:26
GW0448	1202080-09	0208009.D	02/16/12 14:51
LCS Dup	2B16015-BSD1	0216LCD1.D	02/16/12 18:37

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03906	Instrument:	MS-VOA6
		Calibration:	2033002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B03906-CCV1)			Lab File ID: 0207CCV1.D			Analyzed: 02/07/12 11:17			
Fluorobenzene	861059	7.96	899769	7.94	96	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	394424	11.07	400824	11.05	98	50 - 200	0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	308695	13.46	319817	13.45	97	50 - 200	0.0100	+/-0.50	
LCS (2B07008-BS1)			Lab File ID: 0207LCS1.D			Analyzed: 02/07/12 11:44			
Fluorobenzene	849386	7.96	861059	7.96	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	388939	11.06	394424	11.07	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	298676	13.46	308695	13.46	97	50 - 200	0.0000	+/-0.50	
Blank (2B07008-BLK1)			Lab File ID: 0207BLK1.D			Analyzed: 02/07/12 13:04			
Fluorobenzene	886252	7.96	861059	7.96	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	370809	11.06	394424	11.07	94	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	279238	13.46	308695	13.46	90	50 - 200	0.0000	+/-0.50	
GW8169-TB (1202035-12)			Lab File ID: 0203512.D			Analyzed: 02/07/12 13:31			
Fluorobenzene	926269	7.96	861059	7.96	108	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	435766	11.07	394424	11.07	110	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	296552	13.46	308695	13.46	96	50 - 200	0.0000	+/-0.50	
GW8042-AB (1202035-11)			Lab File ID: 0203511.D			Analyzed: 02/07/12 13:57			
Fluorobenzene	813522	7.97	861059	7.96	94	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	376293	11.07	394424	11.07	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	285780	13.46	308695	13.46	93	50 - 200	0.0000	+/-0.50	
GW0381 (1202035-01)			Lab File ID: 0203501.D			Analyzed: 02/07/12 14:24			
Fluorobenzene	940518	7.97	861059	7.96	109	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	451473	11.07	394424	11.07	114	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	306134	13.46	308695	13.46	99	50 - 200	0.0000	+/-0.50	
GW0386 (1202035-03)			Lab File ID: 0203503.D			Analyzed: 02/07/12 14:51			
Fluorobenzene	933323	7.97	861059	7.96	108	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	445470	11.07	394424	11.07	113	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	302381	13.46	308695	13.46	98	50 - 200	0.0000	+/-0.50	
GW0402 (1202035-05)			Lab File ID: 0203505.D			Analyzed: 02/07/12 15:17			
Fluorobenzene	900019	7.97	861059	7.96	105	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	435157	11.07	394424	11.07	110	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	296043	13.46	308695	13.46	96	50 - 200	0.0000	+/-0.50	
GW0419 (1202035-07)			Lab File ID: 0203507.D			Analyzed: 02/07/12 15:44			
Fluorobenzene	893923	7.96	861059	7.96	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	424705	11.06	394424	11.07	108	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	299215	13.46	308695	13.46	97	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03906	Instrument:	MS-VOA6
		Calibration:	2033002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0498 (1202035-09)			Lab File ID: 0203509.D			Analyzed: 02/07/12 16:11			
Fluorobenzene	885684	7.97	861059	7.96	103	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	420019	11.07	394424	11.07	106	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	291268	13.46	308695	13.46	94	50 - 200	0.0000	+/-0.50	
LCS Dup (2B07008-BSD1)			Lab File ID: 0207LCD1.D			Analyzed: 02/07/12 16:38			
Fluorobenzene	866853	7.97	861059	7.96	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	370414	11.07	394424	11.07	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	284436	13.47	308695	13.46	92	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04105	Instrument:	MS-VOA6
		Calibration:	2033002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04105-CCV1)			Lab File ID: 0209CCV1.D			Analyzed: 02/09/12 11:28			
Fluorobenzene	818987	7.96	899769	7.94	91	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	381896	11.06	400824	11.05	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	293007	13.46	319817	13.45	92	50 - 200	0.0100	+/-0.50	
LCS (2B08011-BS1)			Lab File ID: 0209LCS1.D			Analyzed: 02/09/12 11:55			
Fluorobenzene	811331	7.96	818987	7.96	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	377246	11.07	381896	11.06	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	288132	13.46	293007	13.46	98	50 - 200	0.0000	+/-0.50	
Blank (2B08011-BLK1)			Lab File ID: 0209BLK1.D			Analyzed: 02/09/12 13:15			
Fluorobenzene	831607	7.96	818987	7.96	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	363040	11.07	381896	11.06	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	269618	13.46	293007	13.46	92	50 - 200	0.0000	+/-0.50	
GW8170-TB (1202043-09)			Lab File ID: 0204309.D			Analyzed: 02/09/12 13:42			
Fluorobenzene	639148	7.97	818987	7.96	78	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	297054	11.07	381896	11.06	78	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	245203	13.46	293007	13.46	84	50 - 200	0.0000	+/-0.50	
GW0452 (1202043-01)			Lab File ID: 0204301.D			Analyzed: 02/09/12 14:08			
Fluorobenzene	903052	7.96	818987	7.96	110	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	441715	11.07	381896	11.06	116	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	299048	13.46	293007	13.46	102	50 - 200	0.0000	+/-0.50	
GW0489 (1202043-03)			Lab File ID: 0204303.D			Analyzed: 02/09/12 14:35			
Fluorobenzene	893070	7.97	818987	7.96	109	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	430984	11.07	381896	11.06	113	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	292975	13.46	293007	13.46	100	50 - 200	0.0000	+/-0.50	
GW0491 (1202043-05)			Lab File ID: 0204305.D			Analyzed: 02/09/12 15:02			
Fluorobenzene	885664	7.97	818987	7.96	108	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	428119	11.07	381896	11.06	112	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	288631	13.46	293007	13.46	99	50 - 200	0.0000	+/-0.50	
GW0492 (1202043-07)			Lab File ID: 0204307.D			Analyzed: 02/09/12 15:28			
Fluorobenzene	887256	7.96	818987	7.96	108	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	428837	11.07	381896	11.06	112	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	292206	13.47	293007	13.46	100	50 - 200	0.0100	+/-0.50	
Matrix Spike (2B08011-MS1)			Lab File ID: 0204301M.D			Analyzed: 02/09/12 19:02			
Fluorobenzene	856620	7.96	818987	7.96	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	420278	11.07	381896	11.06	110	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	305820	13.46	293007	13.46	104	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04105	Instrument:	MS-VOA6
		Calibration:	2033002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2B08011-MSD1)			Lab File ID: 0204301S.D			Analyzed: 02/09/12 19:29			
Fluorobenzene	862111	7.96	818987	7.96	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	420492	11.07	381896	11.06	110	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	305973	13.47	293007	13.46	104	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04405	Instrument:	MS-VOA6
		Calibration:	2033002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04405-CCV1)			Lab File ID: 0210CCV1.D			Analyzed: 02/10/12 10:25			
Fluorobenzene	853429	7.98	899769	7.94	95	50 - 200	0.0400	+/-0.50	
Chlorobenzene-d5	399943	11.08	400824	11.05	100	50 - 200	0.0300	+/-0.50	
1,4-Dichlorobenzene-d4	309967	13.47	319817	13.45	97	50 - 200	0.0200	+/-0.50	
LCS (2B10017-BS1)			Lab File ID: 0210LCS1.D			Analyzed: 02/10/12 11:11			
Fluorobenzene	884504	7.98	853429	7.98	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	416565	11.08	399943	11.08	104	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	312642	13.47	309967	13.47	101	50 - 200	0.0000	+/-0.50	
Blank (2B10017-BLK1)			Lab File ID: 0210BLK1.D			Analyzed: 02/10/12 12:31			
Fluorobenzene	798991	7.97	853429	7.98	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	373713	11.07	399943	11.08	93	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	270475	13.47	309967	13.47	87	50 - 200	0.0000	+/-0.50	
GW8171-TB (1202054-11)			Lab File ID: 0205411.D			Analyzed: 02/10/12 13:24			
Fluorobenzene	802909	7.97	853429	7.98	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	385644	11.07	399943	11.08	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	274753	13.47	309967	13.47	89	50 - 200	0.0000	+/-0.50	
GW8172-TB (1202069-13)			Lab File ID: 0206913.D			Analyzed: 02/10/12 13:51			
Fluorobenzene	782852	7.98	853429	7.98	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	376646	11.08	399943	11.08	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	270162	13.47	309967	13.47	87	50 - 200	0.0000	+/-0.50	
GW8041-RB (1202069-11)			Lab File ID: 0206911.D			Analyzed: 02/10/12 14:17			
Fluorobenzene	775172	7.97	853429	7.98	91	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	355449	11.07	399943	11.08	89	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	261629	13.47	309967	13.47	84	50 - 200	0.0000	+/-0.50	
GW0454 (1202054-03)			Lab File ID: 0205403.D			Analyzed: 02/10/12 16:04			
Fluorobenzene	748073	7.98	853429	7.98	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	358427	11.08	399943	11.08	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	264112	13.47	309967	13.47	85	50 - 200	0.0000	+/-0.50	
GW0483 (1202054-05)			Lab File ID: 0205405.D			Analyzed: 02/10/12 16:31			
Fluorobenzene	728832	7.98	853429	7.98	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	344290	11.08	399943	11.08	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	255800	13.47	309967	13.47	83	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04502	Instrument:	MS-VOA6
		Calibration:	2033002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04502-CCV1)			Lab File ID: 0213CCV1.D			Analyzed: 02/13/12 07:36			
Fluorobenzene	806832	7.97	899769	7.94	90	50 - 200	0.0300	+/-0.50	
Chlorobenzene-d5	396572	11.07	400824	11.05	99	50 - 200	0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	292385	13.47	319817	13.45	91	50 - 200	0.0200	+/-0.50	
LCS (2B13001-BS1)			Lab File ID: 0213LCS1.D			Analyzed: 02/13/12 08:15			
Fluorobenzene	809860	7.97	806832	7.97	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	394425	11.07	396572	11.07	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	282633	13.47	292385	13.47	97	50 - 200	0.0000	+/-0.50	
Blank (2B13001-BLK1)			Lab File ID: 0213BLK1.D			Analyzed: 02/13/12 10:39			
Fluorobenzene	744929	7.98	806832	7.97	92	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	354661	11.08	396572	11.07	89	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	259611	13.47	292385	13.47	89	50 - 200	0.0000	+/-0.50	
GW0484 (1202054-07)			Lab File ID: 0205407.D			Analyzed: 02/13/12 11:06			
Fluorobenzene	718086	7.97	806832	7.97	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	345260	11.07	396572	11.07	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	257019	13.46	292385	13.47	88	50 - 200	-0.0100	+/-0.50	
GW0485 (1202054-09)			Lab File ID: 0205409.D			Analyzed: 02/13/12 11:32			
Fluorobenzene	703531	7.97	806832	7.97	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	335561	11.08	396572	11.07	85	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	251823	13.47	292385	13.47	86	50 - 200	0.0000	+/-0.50	
GW0408 (1202069-01)			Lab File ID: 0206901.D			Analyzed: 02/13/12 11:59			
Fluorobenzene	675656	7.97	806832	7.97	84	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	329721	11.07	396572	11.07	83	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	246142	13.46	292385	13.47	84	50 - 200	-0.0100	+/-0.50	
GW0426 (1202069-03)			Lab File ID: 0206903.D			Analyzed: 02/13/12 12:26			
Fluorobenzene	672161	7.98	806832	7.97	83	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	317569	11.08	396572	11.07	80	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	224022	13.47	292385	13.47	77	50 - 200	0.0000	+/-0.50	
GW0427 (1202069-05)			Lab File ID: 0206905.D			Analyzed: 02/13/12 12:52			
Fluorobenzene	673738	7.98	806832	7.97	84	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	310560	11.08	396572	11.07	78	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	237825	13.47	292385	13.47	81	50 - 200	0.0000	+/-0.50	
GW0490 (1202069-09)			Lab File ID: 0206909.D			Analyzed: 02/13/12 13:19			
Fluorobenzene	726741	7.97	806832	7.97	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	345322	11.07	396572	11.07	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	251229	13.47	292385	13.47	86	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04502	Instrument:	MS-VOA6
		Calibration:	2033002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0453 (1202054-01RE1)			Lab File ID: 0205401R.D			Analyzed: 02/13/12 13:46			
Fluorobenzene	709085	7.97	806832	7.97	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	319493	11.07	396572	11.07	81	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	240082	13.47	292385	13.47	82	50 - 200	0.0000	+/-0.50	
GW0479 (1202069-07)			Lab File ID: 0206907D.D			Analyzed: 02/13/12 14:12			
Fluorobenzene	655699	7.98	806832	7.97	81	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	310925	11.08	396572	11.07	78	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	229152	13.47	292385	13.47	78	50 - 200	0.0000	+/-0.50	
Matrix Spike (2B13001-MS1)			Lab File ID: 0206909M.D			Analyzed: 02/13/12 17:19			
Fluorobenzene	731859	7.98	806832	7.97	91	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	358529	11.08	396572	11.07	90	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	269160	13.47	292385	13.47	92	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (2B13001-MSD1)			Lab File ID: 0206909S.D			Analyzed: 02/13/12 17:46			
Fluorobenzene	731330	7.98	806832	7.97	91	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	354758	11.08	396572	11.07	89	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	266105	13.47	292385	13.47	91	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04803	Instrument:	MS-VOA5
		Calibration:	2048001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04803-CCV1)			Lab File ID: 0216CCV1.D			Analyzed: 02/16/12 08:59			
Fluorobenzene	788916	7.87	812739	7.87	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	347835	11.01	347905	11	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	225893	13.4	195779	13.4	115	50 - 200	0.0000	+/-0.50	
LCS (2B16015-BS1)			Lab File ID: 0216LCS1.D			Analyzed: 02/16/12 09:24			
Fluorobenzene	818793	7.87	788916	7.87	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	360410	11.01	347835	11.01	104	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	223861	13.4	225893	13.4	99	50 - 200	0.0000	+/-0.50	
Blank (2B16015-BLK1)			Lab File ID: 0216BL1.D			Analyzed: 02/16/12 10:40			
Fluorobenzene	752302	7.87	788916	7.87	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	332571	11	347835	11.01	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	192373	13.39	225893	13.4	85	50 - 200	-0.0100	+/-0.50	
GW8173-TB (1202080-11)			Lab File ID: 0208011.D			Analyzed: 02/16/12 11:30			
Fluorobenzene	745889	7.87	788916	7.87	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	327735	11	347835	11.01	94	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	179578	13.39	225893	13.4	79	50 - 200	-0.0100	+/-0.50	
GW0406 (1202080-01)			Lab File ID: 0208001.D			Analyzed: 02/16/12 13:11			
Fluorobenzene	686351	7.87	788916	7.87	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	300744	11	347835	11.01	86	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	163885	13.4	225893	13.4	73	50 - 200	0.0000	+/-0.50	
GW0416 (1202080-03)			Lab File ID: 0208003.D			Analyzed: 02/16/12 13:36			
Fluorobenzene	667747	7.87	788916	7.87	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	302467	11	347835	11.01	87	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	164976	13.39	225893	13.4	73	50 - 200	-0.0100	+/-0.50	
GW0417 (1202080-05)			Lab File ID: 0208005.D			Analyzed: 02/16/12 14:01			
Fluorobenzene	656226	7.86	788916	7.87	83	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	295801	11	347835	11.01	85	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	163075	13.39	225893	13.4	72	50 - 200	-0.0100	+/-0.50	
GW0425 (1202080-07)			Lab File ID: 0208007.D			Analyzed: 02/16/12 14:26			
Fluorobenzene	647644	7.87	788916	7.87	82	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	291237	11	347835	11.01	84	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	157191	13.4	225893	13.4	70	50 - 200	0.0000	+/-0.50	
GW0448 (1202080-09)			Lab File ID: 0208009.D			Analyzed: 02/16/12 14:51			
Fluorobenzene	634848	7.87	788916	7.87	80	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	290495	11	347835	11.01	84	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	157918	13.4	225893	13.4	70	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04803	Instrument:	MS-VOA5
		Calibration:	2048001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS Dup (2B16015-BSD1)			Lab File ID: 0216LCD1.D			Analyzed: 02/16/12 18:37			
Fluorobenzene	424636	7.87	788916	7.87	54	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	216489	11.01	347835	11.01	62	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	128514	13.39	225893	13.4	57	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2033002
Instrument: MS-VOA6
Matrix: Water
Calibration Dates: 1/30/12 7:42 1/30/12 11:16

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	1	0.1744969	2	0.1702497	4	0.1362247	10	0.1316638	20	0.1349346	100	0.1202093
Acrolein	2.502	6.364131E-02	5.005	7.345202E-02	10.01	6.289004E-02	25.02	6.392924E-02	50.05	6.851428E-02	250.2	6.167824E-02
Acrylonitrile	2.498	0.1334353	4.997	0.1465376	9.994	0.1221038	24.98	0.1247253	49.97	0.132704	249.8	0.1165552
Benzene	0.5	0.9155081	1	1.008037	2	1.077732	5	1.052385	10	0.9403195	50	1.009736
Bromobenzene	0.5	0.5610928	1	0.6347982	2	0.6727249	5	0.6442993	10	0.5935799	50	0.6326093
Bromochloromethane	0.5	0.1097418	1	0.1223489	2	0.1238002	5	0.1245978	10	0.119188	50	0.1199305
Tert-Amyl Methyl Ether	0.5	0.7036745	1	0.7533286	2	0.7683539	5	0.7802105	10	0.6882844	50	0.7680085
Bromodichloromethane	0.5	0.291855	1	0.3221523	2	0.3199068	5	0.3432915	10	0.3104743	50	0.3415029
Bromoform	0.5	0.1955697	1	0.214084	2	0.2346443	5	0.2389664	10	0.2369057	50	0.2748554
Bromomethane	0.5	0.1915235	1	0.2439802	2	0.1876609	5	0.185	10	0.1955228	50	0.167695
Bromofluorobenzene	30	0.8613109	35	0.8250061	40	0.8026439	50	0.7817436	60	0.7816003	70	0.7569866
n-Butylbenzene	0.5	1.861443	1	2.032132	2	2.130215	5	2.210913	10	1.95496	50	2.196625
2-Butanone	1	0.1879692	2	0.1851633	4	0.1923147	10	0.206467	20	0.1613066	100	0.1927338
sec-Butylbenzene	0.5	2.365508	1	2.588966	2	2.762457	5	2.796453	10	2.476996	50	2.767363
tert-Butylbenzene	0.5	1.759252	1	1.958056	2	2.015231	5	2.027333	10	1.812928	50	1.984991
Carbon disulfide	0.5	0.8710291	1	0.9102536	2	0.8436337	5	0.8123488	10	0.8921366	50	0.7998064
Carbon tetrachloride	0.5	0.2366794	1	0.2393336	2	0.2547247	5	0.2581986	10	0.2471837	50	0.2666701
Chlorobenzene	0.5	1.218687	1	1.356794	2	1.417565	5	1.353708	10	1.263991	50	1.283705
Chloroethane	0.5	0.255974	1	0.2613366	2	0.224202	5	0.2119573	10	0.2283827	50	0.1965782
Chloroform	0.5	0.4822276	1	0.4925729	2	0.4872863	5	0.473076	10	0.4146707	50	0.4439045
2-Chloroethyl vinyl ether	0.9975	0.141203	1.995	0.1607948	3.99	0.1385677	9.975	0.183829	19.95	0.1620242	99.75	0.1898435
Chloromethane	0.5	0.4400505	1	0.5007386	2	0.4254796	5	0.3970036	10	0.442071	50	0.3900531
1-Chlorohexane	0.5	0.8439825	1	0.7698139	2	0.7512348	5	0.7159087	10	0.6388501	50	0.6828798
2-Chlorotoluene	0.5	1.847281	1	2.046228	2	2.102663	5	2.211222	10	1.877921	50	2.106321
4-Chlorotoluene	0.5	2.14065	1	2.383167	2	2.379146	5	2.507891	10	2.154808	50	2.440391
Cyclohexane	0.5	0.4652349	1	0.5060343	2	0.5778633	5	0.5597359	10	0.4806193	50	0.545765
Dibromochloromethane	0.5	0.4308808	1	0.4286198	2	0.445563	5	0.4461124	10	0.4362828	50	0.4821872
1,2-Dibromo-3-chloropropane	0.5	8.630726E-02	1	8.836625E-02	2	0.0976614	5	0.1041913	10	9.673161E-02	50	0.1142553
1,2-Dibromoethane (EDB)	0.5	0.4414885	1	0.4838916	2	0.4989082	5	0.4951469	10	0.4570712	50	0.4867244
Dibromomethane	0.5	0.1361448	1	0.1635874	2	0.1663452	5	0.1771187	10	0.1553038	50	0.1682638
1,2-Dichlorobenzene	0.5	0.9618188	1	1.115126	2	1.164989	5	1.122367	10	1.04151	50	1.117605

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 2033002

Instrument: MS-VOA6

Matrix: Water

Calibration Dates: 1/30/12 7:42 1/30/12 11:16

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	1.084103	1	1.197562	2	1.224097	5	1.198629	10	1.105564	50	1.163587
1,4-Dichlorobenzene	0.5	1.148595	1	1.225656	2	1.230177	5	1.222951	10	1.102826	50	1.169746
Dichlorodifluoromethane	0.5	0.216911	1	0.264514	2	0.2252218	5	0.2344043	10	0.2643892	50	0.2361968
1,1-Dichloroethane	0.5	0.4772855	1	0.6211058	2	0.5697766	5	0.5793438	10	0.5697968	50	0.5504043
1,2-Dichloroethane	0.5	0.3771571	1	0.4275889	2	0.4392256	5	0.4407817	10	0.3947491	50	0.4150569
1,1-Dichloroethene	0.5	0.2508288	1	0.2571342	2	0.2411941	5	0.2289111	10	0.2400432	50	0.2180668
cis-1,2-Dichloroethene	0.5	0.2264567	1	0.2524534	2	0.2696629	5	0.2691735	10	0.2380275	50	0.2499337
trans-1,2-Dichloroethene	0.5	0.2222593	1	0.2844329	2	0.250631	5	0.2511962	10	0.2687418	50	0.242286
1,2-Dichloroethene (total)	1	0.224358	2	0.2684432	4	0.2601469	10	0.2601849	20	0.2533846	100	0.2461099
1,2-Dichloropropane	0.5	0.2670091	1	0.3106041	2	0.3298178	5	0.3317904	10	0.2895346	50	0.3230945
1,3-Dichloropropane	0.5	0.7845198	1	0.9052824	2	0.9046302	5	0.8870468	10	0.8114993	50	0.8704686
2,2-Dichloropropane	0.5	0.3435779	1	0.3607942	2	0.3746323	5	0.3659698	10	0.325032	50	0.3505402
1,1-Dichloropropene	0.5	0.336334	1	0.3573092	2	0.3901594	5	0.3833978	10	0.3437373	50	0.3697417
cis-1,3-Dichloropropene	0.5	0.3548161	1	0.3921245	2	0.3471978	5	0.4288585	10	0.3736283	50	0.4213178
trans-1,3-Dichloropropene	0.5	0.7417903	1	0.8276459	2	0.8612826	5	0.8744967	10	0.7936351	50	0.887513
Diisopropyl Ether	0.5	1.19626	1	1.291513	2	1.50179	5	1.488119	10	1.204644	50	1.408576
Ethylbenzene	0.5	2.118398	1	2.341972	2	2.418627	5	2.372111	10	2.182971	50	2.329088
Ethyl tert-Butyl Ether	0.5	0.8632436	1	0.9470847	2	1.021082	5	1.039109	10	0.8710192	50	0.9699524
Ethyl Methacrylate	0.5	0.6912917	1	0.7535486	2	0.7818616	5	0.8002867	10	0.7140437	50	0.8058988
Hexachlorobutadiene	0.5	0.2715521	1	0.298151	2	0.2857465	5	0.2588465	10	0.2570188	50	0.2556025
2-Hexanone	1	0.5132023	2	0.5571606	4	0.5218877	10	0.5896615	20	0.4863094	100	0.5772681
Iodomethane	0.5	0.1762233	1	0.2324321	2	0.2365403	5	0.2678436	10	0.3083185	50	0.3090362
Isopropylbenzene	0.5	1.792548	1	1.904241	2	1.994924	5	1.905312	10	1.791508	50	1.884112
p-Isopropyltoluene	0.5	1.926699	1	2.107277	2	2.228311	5	2.223984	10	1.985966	50	2.199557
Methylene chloride	0.5	0.319612	1	0.3200682	2	0.2874019	5	0.2783963	10	0.2878537	50	0.2563252
Methyl Acetate	0.5	0.3402606	1	0.3261497	2	0.2877036	5	0.2847974	10	0.2837709	50	0.249662
Methylcyclohexane	0.5	0.3190027	1	0.3419003	2	0.3135868	5	0.3568973	10	0.3218615	50	0.3524749
Naphthalene	0.5	1.259206	1	1.407638	2	1.415704	5	1.459571	10	1.348738	50	1.47259
Methyl Methacrylate	0.5	0.3423593	1	0.3464102	2	0.3316419	5	0.3751868	10	0.3005357	50	0.3584325
4-Methyl-2-pentanone	1	0.3247911	2	0.3496389	4	0.2892836	10	0.3888274	20	0.3102864	100	0.3760899
Methyl t-Butyl Ether	0.5	0.6480928	1	0.8463288	2	0.708874	5	0.7165991	10	0.7540861	50	0.6855353

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2033002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	1/30/12 7:42 1/30/12 11:16

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	2.98382	1	3.287049	2	3.438656	5	3.622374	10	3.114478	50	3.570787
Styrene	0.5	1.302055	1	1.422684	2	1.502768	5	1.444844	10	1.379546	50	1.459267
1,1,2,2-Tetrachloroethane	0.5	0.721077	1	0.8177523	2	0.8292051	5	0.9133485	10	0.7515693	50	0.8805515
1,1,1,2-Tetrachloroethane	0.5	0.3744061	1	0.4123546	2	0.4069157	5	0.3980684	10	0.3887589	50	0.4055192
tert-Butyl alcohol	2.5	3.049211E-02	5	2.915736E-02	10	2.382927E-02	25	2.606908E-02	50	0.0256784	250	2.384127E-02
Tetrachloroethene	0.5	0.4008506	1	0.4228216	2	0.4578361	5	0.4180031	10	0.4143552	50	0.4105776
Toluene	0.5	1.158029	1	1.240302	2	1.305689	5	1.248393	10	1.140612	50	1.207386
1,2,3-Trichlorobenzene	0.5	0.4799525	1	0.522226	2	0.530865	5	0.5344055	10	0.4978847	50	0.5268722
1,2,4-Trichlorobenzene	0.5	0.5976443	1	0.6347982	2	0.6481166	5	0.614447	10	0.5912724	50	0.6251088
1,1,2-Trichloroethane	0.5	0.3464676	1	0.4014358	2	0.4414595	5	0.4345904	10	0.3866322	50	0.4182397
1,1,1-Trichloroethane	0.5	0.2915842	1	0.3199315	2	0.3382779	5	0.3340108	10	0.3056536	50	0.329086
Tetrahydrofuran	0.5	~~0.1476539~~	1	0.1375186	2	0.1399305	5	0.1260318	10	9.461651E-02	50	0.1082435
Trichloroethene	0.5	0.2122397	1	0.2418961	2	0.2507603	5	0.2498258	10	0.2278019	50	0.2440286
Trichlorofluoromethane	0.5	0.347843	1	0.391407	2	0.3621216	5	0.3548041	10	0.3786369	50	0.3444108
1,2,3-Trichloropropane	0.5	0.1464158	1	0.1542188	2	0.1602594	5	0.1556541	10	0.1446681	50	0.1512289
1,3,5-Trimethylbenzene	0.5	1.874647	1	2.106986	2	2.171615	5	2.272439	10	2.011916	50	2.243152
1,2,4-Trimethylbenzene	0.5	1.966121	1	2.201962	2	2.318252	5	2.351982	10	2.042022	50	2.305035
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2473084	1	0.2756522	2	0.2493096	5	0.2370989	10	0.2543207	50	0.2321585
Vinyl chloride	0.5	0.3315949	1	0.3497585	2	0.302771	5	0.249635	10	0.3156059	50	0.2410704
m,p-Xylene	1	1.701187	2	1.78756	4	1.878535	10	1.827497	20	1.688618	100	1.802824
o-Xylene	0.5	1.669738	1	1.873743	2	1.904088	5	1.854246	10	1.731133	50	1.798023
Vinyl acetate	0.996	0.7291692	1.992	0.9252808	3.984	0.921205	9.96	0.9792989	19.92	0.8719841	99.62	0.9735842
Xylenes (total)	1.5	1.690704	3	1.816288	6	1.887052	15	1.836414	30	1.70279	150	1.801224
Dibromofluoromethane	30	0.2845851	35	0.2781659	40	0.2686646	50	0.270397	60	0.2710257	70	0.2650038
1,2-Dichloroethane-d4	30	6.314724E-02	35	6.162298E-02	40	6.044361E-02	50	6.015132E-02	60	5.894257E-02	70	5.897275E-02
Toluene-d8	30	2.142788	35	2.085151	40	2.026646	50	1.977992	60	1.982889	70	1.952156
tert-Amyl alcohol	2.5	0.0197278	5	1.789621E-02	10	1.752076E-02	25	0.019786	50	1.607736E-02	250	0.0191643
tert-Amyl ethyl ether	0.5	0.6839061	1	0.7671317	2	0.7193451	5	0.8257117	10	0.7098288	50	0.8092244

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2033002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	1/30/12 7:42 1/30/12 11:16

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	200	0.1350277	300	0.1306668	400	0.1203684						
Acrolein	500.5	7.132593E-02	750.8	6.772845E-02	1001	6.344616E-02						
Acrylonitrile	499.7	0.1343261	749.6	0.1299333	999.4	0.1221761						
Benzene	100	1.040155	150	1.115396	200	1.12515						
Bromobenzene	100	0.6732766	150	0.7008389	200	0.7035232						
Bromochloromethane	100	0.1326691	150	0.1298151	200	0.1288565						
Tert-Amyl Methyl Ether	100	0.7775959	150	0.8440807	200	0.8411851						
Bromodichloromethane	100	0.3644532	150	0.3758102	200	0.3794503						
Bromoform	100	0.3329733	150	0.3609092	200	0.3347155						
Bromomethane	100	0.2288191	150	0.2081465	200	0.2064417						
Bromofluorobenzene	30	0.8649033	30	0.884745	30	0.836744						
n-Butylbenzene	100	2.196471	150	2.24944	200	2.325471						
2-Butanone	200	0.1776169	300	0.2139975	400	0.2036721						
sec-Butylbenzene	100	2.81054	150	2.860805	200	2.948907						
tert-Butylbenzene	100	2.064277	150	2.125764	200	2.153413						
Carbon disulfide	100	0.9554366	150	0.900456	200	0.8713613						
Carbon tetrachloride	100	0.2968669	150	0.3030543	200	0.3013628						
Chlorobenzene	100	1.461713	150	1.477873	200	1.449842						
Chloroethane	100	0.2386026	150	0.2123691	200	0.202057						
Chloroform	100	0.4610077	150	0.4823668	200	0.4788361						
2-Chloroethyl vinyl ether	199.5	0.1878736	299.2	0.2056958	399	0.2071124						
Chloromethane	100	0.4596556	150	0.4049703	200	0.3853848						
1-Chlorohexane	100	0.7287213	150	0.7426964	200	0.7500742						
2-Chlorotoluene	100	2.079938	150	2.152967	200	2.249693						
4-Chlorotoluene	100	2.420723	150	2.456333	200	2.59183						
Cyclohexane	100	0.5222337	150	0.5685083	200	0.5619852						
Dibromochloromethane	100	0.5713625	150	0.5934656	200	0.5729761						
1,2-Dibromo-3-chloropropane	100	0.1224757	150	0.1400064	200	0.1306928						
1,2-Dibromoethane (EDB)	100	0.5359911	150	0.5572364	200	0.5473417						
Dibromomethane	100	0.1732995	150	0.1814226	200	0.1822964						
1,2-Dichlorobenzene	100	1.175113	150	1.234697	200	1.220107						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2033002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	1/30/12 7:42 1/30/12 11:16

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.244873	150	1.292314	200	1.280171						
1,4-Dichlorobenzene	100	1.302235	150	1.293021	200	1.285637						
Dichlorodifluoromethane	100	0.2839515	150	0.2249482	200	0.2225663						
1,1-Dichloroethane	100	0.6384882	150	0.5920558	200	0.5895007						
1,2-Dichloroethane	100	0.4274644	150	0.4402591	200	0.4360287						
1,1-Dichloroethene	100	0.2636853	150	0.239322	200	0.2358258						
cis-1,2-Dichloroethene	100	0.262213	150	0.2748021	200	0.2773567						
trans-1,2-Dichloroethene	100	0.2914668	150	0.2656079	200	0.2608755						
1,2-Dichloroethene (total)	200	0.2768399	300	0.270205	400	0.2691161						
1,2-Dichloropropane	100	0.3188455	150	0.3394336	200	0.344071						
1,3-Dichloropropane	100	0.9084576	150	0.9872046	200	0.9321079						
2,2-Dichloropropane	100	0.3611504	150	0.3792288	200	0.3775383						
1,1-Dichloropropene	100	0.3736216	150	0.3946706	200	0.3925701						
cis-1,3-Dichloropropene	100	0.4404981	150	0.4634871	200	0.4653155						
trans-1,3-Dichloropropene	100	0.9483242	150	1.12573	200	0.9484655						
Diisopropyl Ether	100	1.314411	150	1.472447	200	1.477212						
Ethylbenzene	100	2.511608	150	2.55293	200	2.530731						
Ethyl tert-Butyl Ether	100	0.9533574	150	1.067424	200	1.066515						
Ethyl Methacrylate	100	0.8191149	150	1.008107	200	0.8608623						
Hexachlorobutadiene	100	0.3001013	150	0.3180655	200	0.3000229						
2-Hexanone	200	0.5272596	300	0.6479898	400	0.5924907						
Iodomethane	100	0.396086	150	0.3525229	200	0.3398742						
Isopropylbenzene	100	2.065765	150	2.135724	200	2.049793						
p-Isopropyltoluene	100	2.257186	150	2.344658	200	2.364777						
Methylene chloride	100	0.3074652	150	0.2819718	200	0.2728978						
Methyl Acetate	100	0.2824148	150	0.2739175	200	0.2536701						
Methylcyclohexane	100	0.3605199	150	0.3734936	200	0.3774982						
Naphthalene	100	1.566877	150	1.756464	200	1.624228						
Methyl Methacrylate	100	0.326141	150	0.373739	200	0.3662686						
4-Methyl-2-pentanone	200	0.335151	300	0.4042777	400	0.3879522						
Methyl t-Butyl Ether	100	0.8106424	150	0.7651965	200	0.7410324						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2033002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	1/30/12 7:42 1/30/12 11:16

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	3.521489	150	3.594869	200	3.731711						
Styrene	100	1.617258	150	1.638828	200	1.617571						
1,1,2,2-Tetrachloroethane	100	0.8332925	150	0.8948262	200	0.9325548						
1,1,1,2-Tetrachloroethane	100	0.480448	150	0.491185	200	0.4754526						
tert-Butyl alcohol	500	2.654668E-02	750	2.699632E-02	1000	2.428476E-02						
Tetrachloroethene	100	0.4763787	150	0.4938627	200	0.4717488						
Toluene	100	1.280152	150	1.508745	200	1.265691						
1,2,3-Trichlorobenzene	100	0.580774	150	0.6300434	200	0.6040011						
1,2,4-Trichlorobenzene	100	0.6937877	150	0.7406902	200	0.7124553						
1,1,2-Trichloroethane	100	0.4393816	150	0.5213091	200	0.4532551						
1,1,1-Trichloroethane	100	0.3533917	150	0.3602186	200	0.3641047						
Tetrahydrofuran	100	9.517976E-02	150	0.1172895	200	0.1149337						
Trichloroethene	100	0.2584913	150	0.2678748	200	0.26796						
Trichlorofluoromethane	100	0.4204739	150	0.3764612	200	0.3586137						
1,2,3-Trichloropropane	100	0.1636938	150	0.1768426	200	0.165511						
1,3,5-Trimethylbenzene	100	2.257745	150	2.32727	200	2.357398						
1,2,4-Trimethylbenzene	100	2.332457	150	2.380031	200	2.414226						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2776613	150	0.2503166	200	0.2414065						
Vinyl chloride	100	0.3121364	150	0.2525294	200	~~0.2275199~~						
m,p-Xylene	200	1.909547	300	1.877008	400	1.696595						
o-Xylene	100	1.949305	150	1.989323	200	1.907808						
Vinyl acetate	199.2	1.013391	298.9	1.036087	398.5	0.9939463						
Xylenes (total)	300	1.9228	450	1.914446	600	1.766999						
Dibromofluoromethane	30	0.2785548	30	0.277257	30	0.2789748						
1,2-Dichloroethane-d4	30	6.073114E-02	30	6.211601E-02	30	0.0610961						
Toluene-d8	30	2.164863	30	2.499619	30	2.115986						
tert-Amyl alcohol	500	1.786085E-02	750	2.191582E-02	1000	2.078781E-02						
tert-Amyl ethyl ether	100	0.8140639	150	0.8597168	200	0.8603403						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2033002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	1/30/12 7:42 1/30/12 11:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.1393158	14.12789	3.814444	0.1388712			15	
Acrolein	6.628952E-02	6.246683	3.692222	0.1192696			15	
Acrylonitrile	0.1291663	6.909549	4.655556	0.1567824			15	
Benzene	1.031602	6.960689	7.685556	0.0694881			15	
Bromobenzene	0.6463048	7.34711	12.40556	4.675346E-02			15	
Bromochloromethane	0.1234387	5.552821	6.782222	0.0649538			15	
Tert-Amyl Methyl Ether	0.7694136	6.827278	7.874444	9.178614E-02			15	
Bromodichloromethane	0.3387663	8.946238	8.66	8.504758E-03			15	
Bromoform	0.2692915	22.13013	11.81222	0.0310919	0.9961908		SPCC (0.1)	
Bromomethane	0.2016433	11.57897	2.848889	0.1170081			15	
Bromofluorobenzene	0.8217426	5.339743	12.24556	0.0438233			15	
n-Butylbenzene	2.12863	7.050734	13.83667	3.642952E-02			15	
2-Butanone	0.191249	8.343418	6.254445	8.436886E-02			15	
sec-Butylbenzene	2.708666	7.041687	13.29889	1.766808E-02			15	
tert-Butylbenzene	1.989027	6.610824	13.06111	2.844707E-02			15	
Carbon disulfide	0.8729402	5.613291	4.81	0.102434			15	
Carbon tetrachloride	0.2671193	9.973789	7.651111	4.641391E-02			15	
Chlorobenzene	1.364875	6.876391	11.09222	0.0414092			SPCC (0.3)	
Chloroethane	0.2257177	10.07353	2.986667	0.1660346			15	
Chloroform	0.4684387	5.336648	6.76	2.091058E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.175216	14.65764	9.02	7.703605E-02			15	
Chloromethane	0.4272675	8.829152	2.256667	0.2208277			SPCC (0.1)	
1-Chlorohexane	0.736018	7.744851	11.05444	6.386669E-02			15	
2-Chlorotoluene	2.074915	6.565098	12.62889	3.153184E-02			15	
4-Chlorotoluene	2.386104	6.287011	12.69	3.777697E-02			15	
Cyclohexane	0.5319978	7.624218	7.58	6.450679E-02			15	
Dibromochloromethane	0.4897167	14.13249	10.32556	0.0530549			15	
1,2-Dibromo-3-chloropropane	0.1089653	17.42493	14.44	2.019515E-02	0.9963205		0.995	
1,2-Dibromoethane (EDB)	0.5004222	7.910996	10.54111	3.090104E-02			15	
Dibromomethane	0.1670869	8.689751	8.6	5.826758E-02			15	
1,2-Dichlorobenzene	1.128148	7.603103	13.79222	2.668976E-02			15	
1,3-Dichlorobenzene	1.198989	5.986671	13.38889	2.954025E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2033002		Instrument:	MS-VOA6	
Matrix:	Water		Calibration Dates:	1/30/12 7:42	1/30/12 11:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.220094	5.641396	13.47667	3.613022E-02			15	
Dichlorodifluoromethane	0.2414559	9.752642	2.041111	0.1618292			15	
1,1-Dichloroethane	0.5764175	7.965678	5.802222	7.784852E-02			SPCC (0.1)	
1,2-Dichloroethane	0.4220346	5.32635	7.514445	7.102877E-02			15	
1,1-Dichloroethene	0.2416679	5.79702	4.281111	7.656592E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2577866	6.753716	6.507778	0.1282228			15	
trans-1,2-Dichloroethene	0.2597219	8.165955	5.427778	7.983723E-02			15	
1,2-Dichloroethene (total)	0.2587543	6.164205	6.507778	0.1282228			15	
1,2-Dichloropropane	0.3171334	7.84668	8.485555	8.505001E-02			CCC (20)	
1,3-Dichloropropane	0.887913	6.856364	10.06889	2.958655E-02			15	
2,2-Dichloropropane	0.3598293	4.923319	6.612222	6.460294E-02			15	
1,1-Dichloropropene	0.3712824	5.781757	7.53	6.854029E-02			15	
cis-1,3-Dichloropropene	0.4096937	10.90404	9.231111	3.953925E-02			15	
trans-1,3-Dichloropropene	0.8898759	12.47568	9.705555	0.05592			15	
Diisopropyl Ether	1.372775	8.977553	6.18	7.540377E-03			15	
Ethylbenzene	2.37316	6.362205	11.23667	4.412284E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.977643	7.895193	6.637778	0.1257058			15	
Ethyl Methacrylate	0.8038906	11.55012	9.891111	2.832188E-02			15	
Hexachlorobutadiene	0.2827897	8.09145	15.79889	1.298654E-02			15	
2-Hexanone	0.5570255	8.98726	10.00556	0.0521869			15	
Iodomethane	0.2909863	23.66884	4.477778	9.848828E-02	0.9946215		0.995	*
Isopropylbenzene	1.947103	6.241139	12.13889	2.709149E-02			15	
p-Isopropyltoluene	2.182046	6.853731	13.43778	3.538359E-02			15	
Methylene chloride	0.2902213	7.432638	4.764445	0.110135			15	
Methyl Acetate	0.2869274	10.3698	4.641111	0.1683384			15	
Methylcyclohexane	0.3463595	6.845492	8.811111	3.226662E-02			15	
Naphthalene	1.479002	10.15872	15.67	9.638951E-03			15	
Methyl Methacrylate	0.3467461	7.11018	8.621111	3.703627E-02			15	
4-Methyl-2-pentanone	0.3518109	11.3096	9.16	7.543765E-02			15	
Methyl t-Butyl Ether	0.7418208	8.259182	5.434444	0.0969424			15	
n-Propylbenzene	3.42947	7.308307	12.54111	2.977962E-02			15	
Styrene	1.487202	7.875667	11.70889	6.823711E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2033002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	1/30/12 7:42 1/30/12 11:16

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.8415752	8.526601	12.06111	1.712917E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4259009	10.32104	11.13111	2.619079E-02			15	
tert-Butyl alcohol	2.632169E-02	8.800848	4.452222	0.1487676			15	
Tetrachloroethene	0.4407149	7.770054	10.43222	4.045221E-02			15	
Toluene	1.261667	8.514367	9.705555	0.05592			CCC (20)	
1,2,3-Trichlorobenzene	0.5452249	9.079092	15.95889	2.310001E-02			15	
1,2,4-Trichlorobenzene	0.6509245	8.118922	15.51333	2.903567E-02			15	
1,1,2-Trichloroethane	0.4269746	11.36829	9.857778	6.937744E-02			15	
1,1,1-Trichloroethane	0.3329177	7.359318	7.311111	4.698403E-02			15	
Tetrahydrofuran	0.116718	14.78983	6.97625	7.635662E-02			15	
Trichloroethene	0.2467643	7.362316	8.437778	7.619901E-02			15	
Trichlorofluoromethane	0.3705302	6.53323	3.487778	0.1275443			15	
1,2,3-Trichloropropane	0.1576103	6.443915	12.18667	3.574644E-02			15	
1,3,5-Trimethylbenzene	2.180352	7.226868	12.72111	1.761693E-02			15	
1,2,4-Trimethylbenzene	2.256899	6.908548	13.09222	3.086512E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2516925	6.25447	4.36	1.592953E-02			15	
Vinyl chloride	0.2943877	13.99597	2.405	0.2213212			CCC (20)	
m,p-Xylene	1.796597	4.730176	11.35	4.399241E-02			15	
o-Xylene	1.853045	5.574483	11.73889	6.686755E-02			15	
Vinyl acetate	0.9382163	9.9572	5.881111	0.1322476			15	
Xylenes (total)	1.815413	4.677876	11.73889	6.686755E-02			15	
Dibromofluoromethane	0.2747365	2.27252	6.93	7.350092E-02			15	
1,2-Dichloroethane-d4	6.080264E-02	2.278004	7.422222	5.882153E-02			15	
Toluene-d8	2.105343	7.908707	9.628889	3.105769E-02			15	
tert-Amyl alcohol	1.897077E-02	9.523183	7.137778	9.437852E-02			15	
tert-Amyl ethyl ether	0.7832521	8.423106	8.751111	3.770881E-02			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2048001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	2/14/12 8:40 2/14/12 12:01

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	1	~~0.1637704~~	2	0.1058831	4	0.1000276	10	9.307047E-02	20	9.394253E-02	100	8.682158E-02
Acrolein	2.502	~~9.326344E-03~~	5.005	~~5.93075E-03~~	10.01	9.312352E-03	25.02	8.733826E-03	50.05	9.392755E-03	250.2	1.802169E-02
Acrylonitrile	2.498	9.341278E-02	4.997	9.981824E-02	9.994	0.1050209	24.98	0.1061588	49.97	0.1013425	249.8	9.872467E-02
Benzene	0.5	1.048588	1	0.9348612	2	1.002618	5	0.9903253	10	0.9734072	50	0.9445515
Bromobenzene	0.5	0.6414509	1	0.7037087	2	0.7470858	5	0.7742608	10	0.7352417	50	0.7283807
Bromochloromethane	0.5	7.811523E-02	1	0.1176643	2	0.1207579	5	0.1212271	10	0.1221166	50	0.1194051
Tert-Amyl Methyl Ether	0.5	0.621134	1	0.6291406	2	0.6713605	5	0.67666	10	0.6886701	50	0.704039
Bromodichloromethane	0.5	0.3649904	1	0.3679267	2	0.4072095	5	0.3673283	10	0.3734057	50	0.3833664
Bromoform	0.5	~~0.265577~~	1	0.2482888	2	0.2795846	5	0.3129303	10	0.2894957	50	0.3099527
Bromomethane	0.5	0.2646484	1	0.2806095	2	0.242445	5	0.2304061	10	0.2124505	50	0.2062815
Bromofluorobenzene	30	0.7759455	35	0.7801565	40	0.7149619	50	0.7382946	60	0.7011048	70	0.7352138
n-Butylbenzene	0.5	0.9593127	1	1.059723	2	1.173256	5	1.283611	10	1.247897	50	1.303103
2-Butanone	1	0.1796007	2	0.1458543	4	0.1382268	10	0.1454747	20	0.1502363	100	0.1483374
sec-Butylbenzene	0.5	1.91118	1	1.960589	2	2.178604	5	2.256187	10	2.131897	50	2.211591
tert-Butylbenzene	0.5	1.495955	1	1.4363	2	1.614329	5	1.660198	10	1.591723	50	1.616818
Carbon disulfide	0.5	0.8222468	1	0.7323135	2	0.8564744	5	0.8125118	10	0.7929688	50	0.7980507
Carbon tetrachloride	0.5	0.2612894	1	0.2298712	2	0.2585387	5	0.2683887	10	0.2647615	50	0.2756556
Chlorobenzene	0.5	1.101647	1	1.143051	2	1.152226	5	1.157851	10	1.168292	50	1.161014
Chloroethane	0.5	0.2126192	1	0.191375	2	0.1846307	5	0.1988757	10	0.1853928	50	0.1918321
Chloroform	0.5	0.6058397	1	0.5185561	2	0.4869529	5	0.4955318	10	0.4859781	50	0.4852119
2-Chloroethyl vinyl ether	0.9975	0.1557264	1.995	0.1634646	3.99	0.1664164	9.975	0.1658367	19.95	0.1614509	99.75	0.1566331
Chloromethane	0.5	0.4988511	1	0.4418218	2	0.5171145	5	0.466002	10	0.452218	50	0.4478445
1-Chlorohexane	0.5	0.6302234	1	0.5866662	2	0.6154833	5	0.6095974	10	0.5472768	50	0.5507099
2-Chlorotoluene	0.5	2.103043	1	2.15398	2	2.328333	5	2.349966	10	2.170332	50	2.173643
4-Chlorotoluene	0.5	2.059802	1	2.167322	2	2.474239	5	2.426736	10	2.293246	50	2.33116
Cyclohexane	0.5	0.436602	1	0.3909728	2	0.4223182	5	0.4076143	10	0.3946782	50	0.3982685
Dibromochloromethane	0.5	0.5393428	1	0.5339048	2	0.503517	5	0.5502364	10	0.532228	50	0.5523064
1,2-Dibromo-3-chloropropane	0.5	~~7.445412E-02~~	1	0.1279328	2	0.1005737	5	0.1133012	10	0.1132915	50	0.1138238
1,2-Dibromoethane (EDB)	0.5	0.4747951	1	0.4597537	2	0.4769116	5	0.498205	10	0.4762418	50	0.4867438
Dibromomethane	0.5	0.1643779	1	0.1852171	2	0.1795758	5	0.1790464	10	0.1785776	50	0.1786722
1,2-Dichlorobenzene	0.5	0.9532991	1	0.9798238	2	1.036401	5	1.038896	10	1.062099	50	1.061311

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2048001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	2/14/12 8:40 2/14/12 12:01

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	1.134853	1	0.97276	2	1.201423	5	1.14003	10	1.112728	50	1.144616
1,4-Dichlorobenzene	0.5	1.133994	1	1.017183	2	1.20946	5	1.091639	10	1.092027	50	1.077164
Dichlorodifluoromethane	0.5	0.3163917	1	0.3219082	2	0.3008355	5	0.3099298	10	0.3266957	50	0.3266017
1,1-Dichloroethane	0.5	0.5239366	1	0.4900158	2	0.5676254	5	0.5897244	10	0.5558176	50	0.555147
1,2-Dichloroethane	0.5	0.3917911	1	0.402588	2	0.4319818	5	0.4589222	10	0.4202961	50	0.4282961
1,1-Dichloroethene	0.5	0.1801725	1	0.1860283	2	0.1878085	5	0.2053131	10	0.1952453	50	0.2004299
cis-1,2-Dichloroethene	0.5	0.2171932	1	0.2217221	2	0.2476485	5	0.25465	10	0.2481502	50	0.2473718
trans-1,2-Dichloroethene	0.5	0.2070447	1	0.1862126	2	0.239769	5	0.237353	10	0.2272536	50	0.229495
1,2-Dichloroethene (total)	1	0.2121189	2	0.2039674	4	0.2437087	10	0.2460015	20	0.2377019	100	0.2384334
1,2-Dichloropropane	0.5	0.3539842	1	0.3035819	2	0.340382	5	0.3267691	10	0.3152945	50	0.3216967
1,3-Dichloropropane	0.5	0.7954463	1	0.7722957	2	0.9227905	5	0.9158707	10	0.8775046	50	0.8796503
2,2-Dichloropropane	0.5	0.349839	1	0.3744902	2	0.3578322	5	0.3703698	10	0.3490245	50	0.3614147
1,1-Dichloropropene	0.5	0.3539127	1	0.3515916	2	0.3906327	5	0.3751094	10	0.3508777	50	0.3510514
cis-1,3-Dichloropropene	0.5	0.4188063	1	0.4058329	2	0.4347137	5	0.4370333	10	0.418285	50	0.4306129
trans-1,3-Dichloropropene	0.5	0.834464	1	0.859029	2	0.9684707	5	0.9543295	10	0.9005527	50	0.9162321
Diisopropyl Ether	0.5	1.209893	1	1.163368	2	1.285408	5	1.278049	10	1.269854	50	1.254603
Ethylbenzene	0.5	1.940928	1	1.782143	2	2.040301	5	2.143758	10	2.033836	50	2.078685
Ethyl tert-Butyl Ether	0.5	0.8258917	1	0.8376619	2	0.8802803	5	0.9015367	10	0.8825095	50	0.8706108
Ethyl Methacrylate	0.5	0.6527027	1	0.6586364	2	0.6762248	5	0.7212141	10	0.6989374	50	0.6802575
Hexachlorobutadiene	0.5	~~8.161317E-02~~	1	0.1712572	2	0.2050487	5	0.1899489	10	0.20143	50	0.1973992
2-Hexanone	1	0.3584647	2	0.4223007	4	0.4304659	10	0.4390336	20	0.4264497	100	0.4033413
Iodomethane	0.5	0.1131349	1	0.1368018	2	0.1633335	5	0.1602802	10	0.1996246	50	0.2695438
Isopropylbenzene	0.5	1.230742	1	1.292528	2	1.381496	5	1.523502	10	1.438718	50	1.548729
p-Isopropyltoluene	0.5	1.299224	1	1.292356	2	1.379397	5	1.456612	10	1.418576	50	1.475185
Methylene chloride	0.5	~~0.5764661~~	1	0.369586	2	0.3280423	5	0.3003252	10	0.2923868	50	0.2798049
Methyl Acetate	0.5	0.2641481	1	0.2175922	2	0.2803004	5	0.2515346	10	0.2253854	50	0.2238155
Methylcyclohexane	0.5	0.2369186	1	0.2535811	2	0.2646713	5	0.2575366	10	0.2521123	50	0.2514722
Naphthalene	0.5	~~0.2869347~~	1	0.3604094	2	0.3616441	5	0.3910532	10	0.3928841	50	0.3999247
Methyl Methacrylate	0.5	0.2222675	1	0.2464275	2	0.2646713	5	0.2673331	10	0.2637804	50	0.2624356
4-Methyl-2-pentanone	1	0.2765837	2	0.2523642	4	0.2928631	10	0.2745679	20	0.2814329	100	0.2660386
Methyl t-Butyl Ether	0.5	0.6041959	1	0.6441114	2	0.6815259	5	0.6315459	10	0.6371447	50	0.6300908

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 2048001

Instrument: MS-VOA5

Matrix: Water

Calibration Dates: 2/14/12 8:40 2/14/12 12:01

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	2.910297	1	2.96443	2	3.28234	5	3.311908	10	3.176483	50	3.191573
Styrene	0.5	1.048499	1	0.974953	2	1.073734	5	1.162369	10	1.159668	50	1.204374
1,1,2,2-Tetrachloroethane	0.5	1.095048	1	0.932418	2	1.074867	5	1.053024	10	0.9727705	50	0.9285842
1,1,1,2-Tetrachloroethane	0.5	0.348911	1	0.3668132	2	0.3964747	5	0.4252885	10	0.4285885	50	0.4274451
tert-Butyl alcohol	2.5	~~9.562505E-03~~	5	1.416691E-02	10	1.678866E-02	25	1.506609E-02	50	0.0155873	250	1.225287E-02
Tetrachloroethene	0.5	0.3339783	1	0.298366	2	0.3665591	5	0.3541829	10	0.3477405	50	0.370377
Toluene	0.5	1.093779	1	1.00104	2	1.053335	5	1.1861	10	1.089651	50	1.109184
1,2,3-Trichlorobenzene	0.5	~~0.1345901~~	1	0.1588564	2	0.2172206	5	0.2049658	10	0.1980068	50	0.2019736
1,2,4-Trichlorobenzene	0.5	0.1443265	1	0.1776931	2	0.2247109	5	0.2365627	10	0.2436995	50	0.2656037
1,1,2-Trichloroethane	0.5	0.3330149	1	0.4217555	2	0.4376034	5	0.4342392	10	0.4216502	50	0.4325404
1,1,1-Trichloroethane	0.5	0.3084587	1	0.3117679	2	0.3277635	5	0.3302684	10	0.33939	50	0.339918
Tetrahydrofuran	0.5	7.404152E-02	1	7.972114E-02	2	8.645212E-02	5	8.276458E-02	10	7.915065E-02	50	7.430388E-02
Trichloroethene	0.5	0.2364897	1	0.1864339	2	0.2551007	5	0.2465736	10	0.233005	50	0.2396109
Trichlorofluoromethane	0.5	0.3636325	1	0.3265543	2	0.3656189	5	0.3784019	10	0.3591777	50	0.3563112
1,2,3-Trichloropropane	0.5	0.1030837	1	0.1102201	2	0.1178832	5	0.1456949	10	0.1359102	50	0.1338525
1,3,5-Trimethylbenzene	0.5	1.285479	1	1.280897	2	1.528268	5	1.440645	10	1.464136	50	1.509313
1,2,4-Trimethylbenzene	0.5	1.22477	1	0.9625568	2	1.352089	5	1.337518	10	1.354973	50	1.40211
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1745264	1	0.1854014	2	0.2142347	5	0.2050474	10	0.2028423	50	0.2019465
Vinyl chloride	0.5	0.3105313	1	0.2879843	2	0.2843702	5	0.2528413	10	0.2522363	50	0.26074
m,p-Xylene	1	1.38617	2	1.308591	4	1.425418	10	1.450931	20	1.457724	100	1.452706
o-Xylene	0.5	1.421174	1	1.403335	2	1.46814	5	1.565634	10	1.527771	50	1.579337
Vinyl acetate	0.996	0.7486269	1.992	0.7621324	3.984	0.8289409	9.96	0.8301173	19.92	0.8113123	99.62	0.7931693
Xylenes (total)	1.5	1.397838	3	1.340172	6	1.439659	15	1.489165	30	1.481073	150	1.494916
Dibromofluoromethane	30	0.3256362	35	0.3143354	40	0.3124904	50	0.3037521	60	0.2971589	70	0.3023932
1,2-Dichloroethane-d4	30	5.853997E-02	35	5.750731E-02	40	5.817213E-02	50	5.713716E-02	60	5.647478E-02	70	5.674318E-02
Toluene-d8	30	2.029804	35	1.99073	40	1.883937	50	1.899187	60	1.825896	70	1.862338
tert-Amyl alcohol	2.5	9.319511E-03	5	9.498689E-03	10	0.0105259	25	1.060857E-02	50	1.033063E-02	250	8.716598E-03
tert-Amyl ethyl ether	0.5	0.7058958	1	0.6326436	2	0.6999239	5	0.7087515	10	0.7021049	50	0.7022929

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2048001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	2/14/12 8:40 2/14/12 12:01

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	200	0.1018482	300	0.1021622	400	0.1011479						
Acrolein	500.5	4.396976E-02	750.8	5.364184E-02	1001	5.612498E-02						
Acrylonitrile	499.7	0.110339	749.6	0.1108387	999.4	0.1074626						
Benzene	100	1.012342	150	1.005924	200	0.9743357						
Bromobenzene	100	0.7759527	150	0.7583548	200	0.7513171						
Bromochloromethane	100	0.1285547	150	0.1315571	200	0.1310941						
Tert-Amyl Methyl Ether	100	0.7673242	150	0.7564775	200	0.7407906						
Bromodichloromethane	100	0.4066769	150	0.3996378	200	0.3936644						
Bromoform	100	0.3645565	150	0.3688961	200	0.3786096						
Bromomethane	100	0.2271506	150	0.2404167	200	0.2424917						
Bromofluorobenzene	30	0.8456476	30	0.8416265	30	0.8721893						
n-Butylbenzene	100	1.408275	150	1.400167	200	1.372956						
2-Butanone	200	0.1790548	300	0.1834444	400	0.1724395						
sec-Butylbenzene	100	2.361756	150	2.30074	200	2.22716						
tert-Butylbenzene	100	1.779403	150	1.733438	200	1.698614						
Carbon disulfide	100	0.841635	150	0.8436895	200	0.8277392						
Carbon tetrachloride	100	0.3012445	150	0.3067715	200	0.2982269						
Chlorobenzene	100	1.268718	150	1.281455	200	1.288449						
Chloroethane	100	0.2005589	150	0.2074091	200	0.1975381						
Chloroform	100	0.5046987	150	0.5072367	200	0.4893612						
2-Chloroethyl vinyl ether	199.5	0.1765338	299.2	0.1718535	399	0.1652789						
Chloromethane	100	0.4644161	150	0.4587205	200	0.4421529						
1-Chlorohexane	100	0.6025779	150	0.6023901	200	0.6034494						
2-Chlorotoluene	100	2.255181	150	2.191808	200	2.096277						
4-Chlorotoluene	100	2.422166	150	2.357736	200	2.27929						
Cyclohexane	100	0.4200854	150	0.4190897	200	0.3919025						
Dibromochloromethane	100	0.6211066	150	0.6252351	200	0.631523						
1,2-Dibromo-3-chloropropane	100	0.1385749	150	0.1322907	200	0.1320903						
1,2-Dibromoethane (EDB)	100	0.5411627	150	0.5525793	200	0.5505637						
Dibromomethane	100	0.1990514	150	0.1976146	200	0.1939963						
1,2-Dichlorobenzene	100	1.157649	150	1.103384	200	1.135062						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2048001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	2/14/12 8:40 2/14/12 12:01

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.194973	150	1.196796	200	1.169793						
1,4-Dichlorobenzene	100	1.185231	150	1.168784	200	1.163163						
Dichlorodifluoromethane	100	0.3476554	150	0.3615604	200	0.3375002						
1,1-Dichloroethane	100	0.5886057	150	0.5824059	200	0.5657997						
1,2-Dichloroethane	100	0.4589249	150	0.4534007	200	0.4308053						
1,1-Dichloroethene	100	0.2089641	150	0.2232681	200	0.2185013						
cis-1,2-Dichloroethene	100	0.26536	150	0.2673614	200	0.2674352						
trans-1,2-Dichloroethene	100	0.2426088	150	0.2469678	200	0.2465442						
1,2-Dichloroethene (total)	200	0.2539844	300	0.2571646	400	0.2569897						
1,2-Dichloropropane	100	0.3321144	150	0.3252904	200	0.3112734						
1,3-Dichloropropane	100	0.9466254	150	0.9399347	200	0.9304069						
2,2-Dichloropropane	100	0.3775486	150	0.3816609	200	0.3690848						
1,1-Dichloropropene	100	0.3789624	150	0.3758783	200	0.3612144						
cis-1,3-Dichloropropene	100	0.4509545	150	0.4360566	200	0.4372749						
trans-1,3-Dichloropropene	100	0.9943181	150	0.9891904	200	0.9762681						
Diisopropyl Ether	100	1.294269	150	1.271192	200	1.217313						
Ethylbenzene	100	2.251356	150	2.23863	200	2.225264						
Ethyl tert-Butyl Ether	100	0.9185081	150	0.9130451	200	0.8783079						
Ethyl Methacrylate	100	0.7666209	150	0.7764707	200	0.7844222						
Hexachlorobutadiene	100	0.234624	150	0.2400245	200	0.2483652						
2-Hexanone	200	0.4812467	300	0.4700065	400	0.4673554						
Iodomethane	100	0.3144185	150	0.3362915	200	0.3416422						
Isopropylbenzene	100	1.664419	150	1.676422	200	1.676652						
p-Isopropyltoluene	100	1.581035	150	1.612603	200	1.58167						
Methylene chloride	100	0.2888713	150	0.2912424	200	0.2900331						
Methyl Acetate	100	0.2582949	150	0.2478564	200	0.2398775						
Methylcyclohexane	100	0.2684523	150	0.2731191	200	0.2663508						
Naphthalene	100	0.5205662	150	0.5422207	200	0.5694943						
Methyl Methacrylate	100	0.2920337	150	0.2834185	200	0.2750402						
4-Methyl-2-pentanone	200	0.3106553	300	0.2979426	400	0.2835724						
Methyl t-Butyl Ether	100	0.6961838	150	0.6909851	200	0.6921891						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2048001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	2/14/12 8:40 2/14/12 12:01

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	3.33271	150	3.234079	200	3.06352						
Styrene	100	1.319156	150	1.346422	200	1.366201						
1,1,2,2-Tetrachloroethane	100	1.025932	150	0.9745518	200	0.9471585						
1,1,1,2-Tetrachloroethane	100	0.4728165	150	0.4797932	200	0.4827236						
tert-Butyl alcohol	500	0.0176065	750	1.792035E-02	1000	1.872173E-02						
Tetrachloroethene	100	0.4133784	150	0.4272826	200	0.4335854						
Toluene	100	1.184727	150	1.207582	200	1.209115						
1,2,3-Trichlorobenzene	100	0.2625817	150	0.2696592	200	0.2830996						
1,2,4-Trichlorobenzene	100	0.3180378	150	0.3297437	200	0.3389769						
1,1,2-Trichloroethane	100	0.4659699	150	0.4581027	200	0.466481						
1,1,1-Trichloroethane	100	0.369616	150	0.3693286	200	0.3647809						
Tetrahydrofuran	100	8.678948E-02	150	8.587698E-02	200	8.222311E-02						
Trichloroethene	100	0.2576234	150	0.2611223	200	0.2535251						
Trichlorofluoromethane	100	0.3908684	150	0.4060274	200	0.3983086						
1,2,3-Trichloropropane	100	0.1530219	150	0.1543776	200	0.1542604						
1,3,5-Trimethylbenzene	100	1.628463	150	1.636547	200	1.61347						
1,2,4-Trimethylbenzene	100	1.535049	150	1.531074	200	1.529683						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2136952	150	0.2231227	200	0.2200823						
Vinyl chloride	100	0.2682344	150	0.278589	200	0.2417057						
m,p-Xylene	200	1.595572	300	1.586664	400	1.576255						
o-Xylene	100	1.7116	150	1.718357	200	1.687122						
Vinyl acetate	199.2	0.8394109	298.9	0.8128741	398.5	0.7821904						
Xylenes (total)	300	1.634248	450	1.630561	600	1.613211						
Dibromofluoromethane	30	0.3208008	30	0.319714	30	0.3248561						
1,2-Dichloroethane-d4	30	5.957735E-02	30	6.098273E-02	30	6.249867E-02						
Toluene-d8	30	2.084456	30	2.130927	30	2.138024						
tert-Amyl alcohol	500	1.312968E-02	750	~~1.361043E-02~~	1000	~~1.404736E-02~~						
tert-Amyl ethyl ether	100	0.7420727	150	0.7426224	200	0.6929358						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2048001	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	2/14/12 8:40	2/14/12 12:01

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	9.811295E-02	6.375753	3.6925	0.1252379			15	
Acrolein	2.845674E-02	76.83368	3.587143	0.1368222		0.9919673	0.99	
Acrylonitrile	0.1036798	5.584438	4.533333	0.1109352			15	
Benzene	0.9874392	3.564721	7.612222	5.809755E-02			15	
Bromobenzene	0.7350837	5.680885	12.36222	3.497906E-02			15	
Bromochloromethane	0.1189436	13.57756	6.7	0.0216436			15	
Tert-Amyl Methyl Ether	0.6950663	7.530521	7.798889	0.0449986			15	
Bromodichloromethane	0.3849118	4.493961	8.597778	7.729142E-02			15	
Bromoform	0.3190393	14.82582	11.7625	4.153778E-02			SPCC (0.1)	
Bromomethane	0.2385444	9.834712	2.78	0.1794098			15	
Bromofluorobenzene	0.7783489	7.971514	12.20111	2.931441E-02			15	
n-Butylbenzene	1.245367	12.4744	13.78556	3.724377E-02			15	
2-Butanone	0.1602965	11.1757	6.152222	0.073427			15	
sec-Butylbenzene	2.171078	6.882964	13.24889	2.490729E-02			15	
tert-Butylbenzene	1.625198	6.73353	13.01778	3.609891E-02			15	
Carbon disulfide	0.8141811	4.570375	4.715555	0.113128			15	
Carbon tetrachloride	0.2738609	9.009769	7.577778	5.652272E-02			15	
Chlorobenzene	1.191411	5.786059	11.04444	4.643118E-02			SPCC (0.3)	
Chloroethane	0.1966924	4.803055	2.912222	0.2291938			15	
Chloroform	0.5088186	7.496547	6.674444	7.784365E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1647994	4.032925	8.958889	0.066752			15	
Chloromethane	0.4654602	5.590822	2.195556	0.2396565			SPCC (0.1)	
1-Chlorohexane	0.5942638	4.744815	11.01	0.0473764			15	
2-Chlorotoluene	2.202507	4.11973	12.58333	3.640121E-02			15	
4-Chlorotoluene	2.312411	5.721508	12.64556	4.176811E-02			15	
Cyclohexane	0.4090591	3.963968	7.512222	6.013791E-02			15	
Dibromochloromethane	0.5654889	8.401638	10.27111	3.106372E-02			15	
1,2-Dibromo-3-chloropropane	0.1214849	10.74586	14.39	5.356138E-02			15	
1,2-Dibromoethane (EDB)	0.5018841	7.22372	10.48333	4.709109E-02			15	
Dibromomethane	0.1840144	6.076503	8.532222	0.0519438			15	
1,2-Dichlorobenzene	1.058658	6.323956	13.74667	5.209083E-02			15	
1,3-Dichlorobenzene	1.140886	6.171624	13.34	2.125636E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2048001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	2/14/12 8:40 2/14/12 12:01

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.126516	5.463808	13.43111	3.078842E-02			15	
Dichlorodifluoromethane	0.3276754	5.751965	1.991111	0.1666372			15	
1,1-Dichloroethane	0.5576754	5.840285	5.705555	9.119299E-02			SPCC (0.1)	
1,2-Dichloroethane	0.4307785	5.52289	7.438889	4.247108E-02			15	
1,1-Dichloroethene	0.2006368	7.368251	4.178889	8.050754E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2485436	7.440168	6.418889	9.240898E-02			15	
trans-1,2-Dichloroethene	0.2292499	8.882315	5.332222	8.317809E-02			15	
1,2-Dichloroethene (total)	0.2388967	7.971244	6.418889	9.240898E-02			15	
1,2-Dichloropropane	0.3255985	4.707615	8.421111	3.763195E-02			CCC (20)	
1,3-Dichloropropane	0.886725	7.136787	10.01222	4.226058E-02			15	
2,2-Dichloropropane	0.3656961	3.229114	6.526667	0.1081657			15	
1,1-Dichloropropene	0.3654701	4.083256	7.461111	4.296986E-02			15	
cis-1,3-Dichloropropene	0.4299522	3.128375	9.173333	0.0522276			15	
trans-1,3-Dichloropropene	0.9325394	6.231548	9.647778	4.186145E-02			15	
Diisopropyl Ether	1.249328	3.470902	6.078889	5.740946E-02			15	
Ethylbenzene	2.081656	7.431213	11.19111	2.484293E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.8787058	3.562899	6.542222	6.699965E-02			15	
Ethyl Methacrylate	0.7128319	7.236187	9.836667	4.827208E-02			15	
Hexachlorobutadiene	0.2110122	12.83089	15.7475	2.866552E-02			15	
2-Hexanone	0.4331849	8.75725	9.951111	3.099697E-02			15	
Iodomethane	0.226119	39.82901	4.374444	0.1658829	0.9976059		0.995	
Isopropylbenzene	1.492579	11.23938	12.09222	0.0371163			15	
p-Isopropyltoluene	1.455184	8.23707	13.38889	2.954025E-02			15	
Methylene chloride	0.3050365	9.74979	4.66125	7.735151E-02			15	
Methyl Acetate	0.2454228	8.461192	4.517778	9.510783E-02			15	
Methylcyclohexane	0.258246	4.314103	8.753333	5.635638E-02			15	
Naphthalene	0.4422746	19.55569	15.62	3.101569E-02	0.9953538		0.995	
Methyl Methacrylate	0.2641564	7.745636	8.553334	5.552181E-02			15	
4-Methyl-2-pentanone	0.2817801	6.163811	9.094445	5.859299E-02			15	
Methyl t-Butyl Ether	0.6564414	5.179439	5.322222	8.415302E-02			15	
n-Propylbenzene	3.163038	4.800587	12.49667	3.918388E-02			15	
Styrene	1.183931	11.70144	11.66889	5.282451E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2048001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	2/14/12 8:40 2/14/12 12:01

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	1.000484	6.318526	12.01222	4.127228E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4254283	11.34226	11.08222	0.0379037			15	
tert-Butyl alcohol	0.0160138	13.50516	4.31	0.1751842			15	
Tetrachloroethene	0.3717167	12.16793	10.38667	0.0495492			15	
Toluene	1.126057	6.598101	9.653333	7.214711E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.2245455	19.1005	15.9025	2.618423E-02	0.9957975		0.995	
1,2,4-Trichlorobenzene	0.2532616	26.60025	15.46667	3.088046E-02	0.9977399		0.995	
1,1,2-Trichloroethane	0.4301508	9.38594	9.801111	2.907154E-02			15	
1,1,1-Trichloroethane	0.3401436	6.885267	7.238889	0.0812774			15	
Tetrahydrofuran	8.125816E-02	5.987191	6.88	7.127026E-02			15	
Trichloroethene	0.2410538	9.427621	8.373333	6.206171E-02			15	
Trichlorofluoromethane	0.3716557	6.613036	3.402222	0.1287803			15	
1,2,3-Trichloropropane	0.1342561	14.6823	12.13556	4.297992E-02			15	
1,3,5-Trimethylbenzene	1.487469	9.092316	12.67778	3.587548E-02			15	
1,2,4-Trimethylbenzene	1.358869	13.45179	13.05	5.427669E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2045443	7.810133	4.26	0.1178688			15	
Vinyl chloride	0.2708036	7.984386	2.342222	0.1889844			CCC (20)	
m,p-Xylene	1.471115	6.648902	11.30778	3.641243E-02			15	
o-Xylene	1.564719	7.752482	11.69889	5.450724E-02			15	
Vinyl acetate	0.8009749	3.95297	5.777778	0.1150498			15	
Xylenes (total)	1.502316	6.97976	11.69889	5.450724E-02			15	
Dibromofluoromethane	0.3134597	3.298594	6.848889	4.446215E-02			15	
1,2-Dichloroethane-d4	5.862592E-02	3.48062	7.345556	7.244914E-02			15	
Toluene-d8	1.982811	6.034591	9.578889	3.308347E-02			15	
tert-Amyl alcohol	1.030423E-02	13.87518	7.041429	5.434016E-02			15	
tert-Amyl ethyl ether	0.7032493	4.552408	8.691111	3.367149E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0130ICV4.D	Calibration Date:	01/30/12 07:42
Sequence:	2B03205	Injection Date:	01/30/12
Lab Sample ID:	2B03205-ICV4	Injection Time:	13:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	225.6	0.1393158	0.1571292		12.8	20
Benzene	A	100.0	101.6	1.031602	1.047917		1.6	20
Bromobenzene	A	100.0	101.5	0.6463048	0.6560733		1.5	20
Bromochloromethane	A	100.0	103.1	0.1234387	0.1272838		3.1	20
Bromodichloromethane	A	100.0	104.1	0.3387663	0.3525292		4.1	20
Bromoform	L	100.0	93.34	0.2692915	0.3149539	0.1	-6.7	20
Bromomethane	A	100.0	96.86	0.2016433	0.1953035		-3.1	20
n-Butylbenzene	A	100.0	103.3	2.12863	2.199394		3.3	20
2-Butanone	A	200.0	223.1	0.191249	0.2133353		11.5	20
sec-Butylbenzene	A	100.0	102.2	2.708666	2.768249		2.2	20
tert-Butylbenzene	A	100.0	101.4	1.989027	2.017625		1.4	20
Carbon disulfide	A	100.0	94.91	0.8729402	0.8285396		-5.1	20
Carbon tetrachloride	A	100.0	104.8	0.2671193	0.2798791		4.8	20
Chlorobenzene	A	100.0	102.3	1.364875	1.395834	0.3	2.3	20
Chloroethane	A	100.0	91.94	0.2257177	0.2075264		-8.1	20
Chloroform	A	100.0	97.06	0.4684387	0.4546768		-2.9	20
Chloromethane	A	100.0	97.66	0.4272675	0.4172511	0.1	-2.3	20
2-Chlorotoluene	A	100.0	99.16	2.074915	2.057539		-0.8	20
4-Chlorotoluene	A	100.0	98.55	2.386104	2.351545		-1.4	20
Dibromochloromethane	A	100.0	110.4	0.4897167	0.5408262		10.4	20
1,2-Dibromo-3-chloropropane	L	100.0	90.38	0.1089653	0.1181266		-9.6	20
1,2-Dibromoethane (EDB)	A	100.0	101.4	0.5004222	0.5074401		1.4	20
Dibromomethane	A	100.0	100.7	0.1670869	0.1682189		0.7	20
1,2-Dichlorobenzene	A	100.0	103.0	1.128148	1.162146		3.0	20
1,3-Dichlorobenzene	A	100.0	102.9	1.198989	1.234129		2.9	20
1,4-Dichlorobenzene	A	100.0	99.71	1.220094	1.216572		-0.3	20
Dichlorodifluoromethane	A	100.0	104.9	0.2414559	0.2532372		4.9	20
1,1-Dichloroethane	A	100.0	97.75	0.5764175	0.5634612	0.1	-2.2	20
1,2-Dichloroethane	A	100.0	97.66	0.4220346	0.412167		-2.3	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0130ICV4.D	Calibration Date:	01/30/12 07:42
Sequence:	2B03205	Injection Date:	01/30/12
Lab Sample ID:	2B03205-ICV4	Injection Time:	13:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	95.20	0.2416679	0.2300625		-4.8	20
cis-1,2-Dichloroethene	A	100.0	100.2	0.2577866	0.2583098		0.2	20
trans-1,2-Dichloroethene	A	100.0	98.46	0.2597219	0.2557278		-1.5	20
1,2-Dichloropropane	A	100.0	101.5	0.3171334	0.3219835		1.5	20
1,3-Dichloropropane	A	100.0	103.2	0.887913	0.9162665		3.2	20
2,2-Dichloropropane	A	100.0	105.1	0.3598293	0.3782399		5.1	20
1,1-Dichloropropene	A	100.0	100.8	0.3712824	0.3743925		0.8	20
cis-1,3-Dichloropropene	A	100.0	104.6	0.4096937	0.4284931		4.6	20
trans-1,3-Dichloropropene	A	100.0	117.6	0.8898759	1.046555		17.6	20
Ethylbenzene	A	100.0	102.8	2.37316	2.439406		2.8	20
Hexachlorobutadiene	A	100.0	107.2	0.2827897	0.3032006		7.2	20
2-Hexanone	A	200.0	228.6	0.5570255	0.6367518		14.3	20
Isopropylbenzene	A	100.0	103.4	1.947103	2.013458		3.4	20
p-Isopropyltoluene	A	100.0	102.8	2.182046	2.243528		2.8	20
Methylene chloride	A	100.0	89.87	0.2902213	0.2608245		-10.1	20
Naphthalene	A	100.0	103.2	1.479002	1.526619		3.2	20
4-Methyl-2-pentanone	A	200.0	202.0	0.3518109	0.3553368		1.0	20
Methyl t-Butyl Ether	A	100.0	95.12	0.7418208	0.7056144		-4.9	20
n-Propylbenzene	A	100.0	100.8	3.42947	3.457344		0.8	20
Styrene	A	100.0	103.8	1.487202	1.543537		3.8	20
1,1,2,2-Tetrachloroethane	A	100.0	96.97	0.8415752	0.8160606	0.3	-3.0	20
1,1,1,2-Tetrachloroethane	A	100.0	107.1	0.4259009	0.4559854		7.1	20
Tetrachloroethene	A	100.0	105.2	0.4407149	0.4634207		5.2	20
Toluene	A	100.0	112.8	1.261667	1.423249		12.8	20
1,2,3-Trichlorobenzene	A	100.0	106.2	0.5452249	0.5788396		6.2	20
1,2,4-Trichlorobenzene	A	100.0	104.5	0.6509245	0.6800868		4.5	20
1,1,2-Trichloroethane	A	100.0	110.9	0.4269746	0.4735111		10.9	20
1,1,1-Trichloroethane	A	100.0	101.9	0.3329177	0.3393806		1.9	20
Trichloroethene	A	100.0	102.0	0.2467643	0.2517333		2.0	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0130ICV4.D	Calibration Date:	01/30/12 07:42
Sequence:	2B03205	Injection Date:	01/30/12
Lab Sample ID:	2B03205-ICV4	Injection Time:	13:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.83	0.3705302	0.3587861		-3.2	20
1,2,3-Trichloropropane	A	100.0	99.21	0.1576103	0.1563674		-0.8	20
1,3,5-Trimethylbenzene	A	100.0	102.9	2.180352	2.243816		2.9	20
1,2,4-Trimethylbenzene	A	100.0	101.7	2.256899	2.29599		1.7	20
Vinyl chloride	A	100.0	92.13	0.2943877	0.2712226		-7.9	20
Xylenes (total)	A	300.0	304.0	1.815413	1.839473		1.3	20
Bromofluorobenzene	A	30.00	31.47	0.8217426	0.8618802		4.9	20
Dibromofluoromethane	A	30.00	30.87	0.2747365	0.2826714		2.9	20
1,2-Dichloroethane-d4	A	30.00	30.81	6.080264E-02	0.0624451		2.7	20
Toluene-d8	A	30.00	34.63	2.105343	2.4304		15.4	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2048001
Lab File ID:	0214ICV1.D	Calibration Date:	02/14/12 08:40
Sequence:	2B04703	Injection Date:	02/14/12
Lab Sample ID:	2B04703-ICV1	Injection Time:	12:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	106.2	9.811295E-02	0.1042261		6.2	20
Benzene	A	50.00	48.49	0.9874392	0.9575978		-3.0	20
Bromobenzene	A	50.00	50.74	0.7350837	0.7460119		1.5	20
Bromochloromethane	A	50.00	53.03	0.1189436	0.1261416		6.1	20
Bromodichloromethane	A	50.00	46.65	0.3849118	0.3591493		-6.7	20
Bromoform	A	50.00	50.73	0.3190393	0.3236702	0.1	1.5	20
Bromomethane	A	50.00	48.75	0.2385444	0.2325987		-2.5	20
n-Butylbenzene	A	50.00	48.66	1.245367	1.212012		-2.7	20
2-Butanone	A	100.0	100.2	0.1602965	0.1606281		0.2	20
sec-Butylbenzene	A	50.00	48.59	2.171078	2.109651		-2.8	20
tert-Butylbenzene	A	50.00	48.39	1.625198	1.572958		-3.2	20
Carbon disulfide	A	50.00	40.58	0.8141811	0.6608392		-18.8	20
Carbon tetrachloride	A	50.00	48.03	0.2738609	0.2630637		-3.9	20
Chlorobenzene	A	50.00	48.72	1.191411	1.160972	0.3	-2.6	20
Chloroethane	A	50.00	49.01	0.1966924	0.1927865		-2.0	20
Chloroform	A	50.00	45.70	0.5088186	0.4650285		-8.6	20
Chloromethane	A	50.00	44.68	0.4654602	0.4158914	0.1	-10.6	20
2-Chlorotoluene	A	50.00	46.24	2.202507	2.036973		-7.5	20
4-Chlorotoluene	A	50.00	46.59	2.312411	2.154609		-6.8	20
Dibromochloromethane	A	50.00	49.20	0.5654889	0.5564018		-1.6	20
1,2-Dibromo-3-chloropropane	A	50.00	49.58	0.1214849	0.1204683		-0.8	20
1,2-Dibromoethane (EDB)	A	50.00	49.40	0.5018841	0.4958276		-1.2	20
Dibromomethane	A	50.00	48.88	0.1840144	0.1799076		-2.2	20
1,2-Dichlorobenzene	A	50.00	50.52	1.058658	1.069737		1.0	20
1,3-Dichlorobenzene	A	50.00	49.18	1.140886	1.122189		-1.6	20
1,4-Dichlorobenzene	A	50.00	48.41	1.126516	1.090784		-3.2	20
Dichlorodifluoromethane	A	50.00	41.60	0.3276754	0.272645		-16.8	20
1,1-Dichloroethane	A	50.00	47.81	0.5576754	0.5332775	0.1	-4.4	20
1,2-Dichloroethane	A	50.00	47.02	0.4307785	0.4051222		-6.0	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2048001
Lab File ID:	0214ICV1.D	Calibration Date:	02/14/12 08:40
Sequence:	2B04703	Injection Date:	02/14/12
Lab Sample ID:	2B04703-ICV1	Injection Time:	12:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	50.00	47.99	0.2006368	0.1925893		-4.0	20
cis-1,2-Dichloroethene	A	50.00	50.53	0.2485436	0.2511985		1.1	20
trans-1,2-Dichloroethene	A	50.00	51.20	0.2292499	0.2347393		2.4	20
1,2-Dichloropropane	A	50.00	47.30	0.3255985	0.3079939		-5.4	20
1,3-Dichloropropane	A	50.00	50.31	0.886725	0.8922617		0.6	20
2,2-Dichloropropane	A	50.00	45.93	0.3656961	0.3359331		-8.1	20
1,1-Dichloropropene	A	50.00	47.15	0.3654701	0.3446308		-5.7	20
cis-1,3-Dichloropropene	A	50.00	49.81	0.4299522	0.4283213		-0.4	20
trans-1,3-Dichloropropene	A	50.00	45.02	0.9325394	0.8396286		-10.0	20
Ethylbenzene	A	50.00	49.87	2.081656	2.076077		-0.3	20
Hexachlorobutadiene	A	50.00	50.37	0.2110122	0.2125568		0.7	20
2-Hexanone	A	100.0	100.6	0.4331849	0.4355592		0.5	20
Isopropylbenzene	A	50.00	47.96	1.492579	1.431823		-4.1	20
p-Isopropyltoluene	A	50.00	47.46	1.455184	1.381192		-5.1	20
Methylene chloride	A	50.00	45.64	0.3050365	0.2784441		-8.7	20
Naphthalene	L	50.00	41.76	0.4422746	0.4583751		-16.5	20
4-Methyl-2-pentanone	A	100.0	96.85	0.2817801	0.2729142		-3.1	20
Methyl t-Butyl Ether	A	50.00	48.52	0.6564414	0.6369544		-3.0	20
n-Propylbenzene	A	50.00	47.36	3.163038	2.995845		-5.3	20
Styrene	A	50.00	51.24	1.183931	1.213292		2.5	20
1,1,2,2-Tetrachloroethane	A	50.00	47.27	1.000484	0.9458327	0.3	-5.5	20
1,1,1,2-Tetrachloroethane	A	50.00	50.67	0.4254283	0.4311311		1.3	20
Tetrachloroethene	A	50.00	51.79	0.3717167	0.3850481		3.6	20
Toluene	A	50.00	51.68	1.126057	1.163885		3.4	20
1,2,3-Trichlorobenzene	L	50.00	43.77	0.2245455	0.2247575		-12.5	20
1,2,4-Trichlorobenzene	L	50.00	45.19	0.2532616	0.2866117		-9.6	20
1,1,2-Trichloroethane	A	50.00	50.71	0.4301508	0.436266		1.4	20
1,1,1-Trichloroethane	A	50.00	49.03	0.3401436	0.3335368		-1.9	20
Trichloroethene	A	50.00	50.03	0.2410538	0.2412051		0.06	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2048001
Lab File ID:	0214ICV1.D	Calibration Date:	02/14/12 08:40
Sequence:	2B04703	Injection Date:	02/14/12
Lab Sample ID:	2B04703-ICV1	Injection Time:	12:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	50.00	48.23	0.3716557	0.3584833		-3.5	20
1,2,3-Trichloropropane	A	50.00	49.65	0.1342561	0.1333125		-0.7	20
1,3,5-Trimethylbenzene	A	50.00	49.72	1.487469	1.478996		-0.6	20
1,2,4-Trimethylbenzene	A	50.00	50.10	1.358869	1.361632		0.2	20
Vinyl chloride	A	50.00	59.76	0.2708036	0.3236629		19.5	20
Xylenes (total)	A	150.0	147.9	1.502316	1.480914		-1.4	20
Bromofluorobenzene	A	30.00	31.60	0.7783489	0.819952		5.3	20
Dibromofluoromethane	A	30.00	30.50	0.3134597	0.3186549		1.7	20
1,2-Dichloroethane-d4	A	30.00	30.70	5.862592E-02	5.999638E-02		2.3	20
Toluene-d8	A	30.00	31.92	1.982811	2.109963		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

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0207CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B03906	Injection Date:	02/07/12
Lab Sample ID:	2B03906-CCV1	Injection Time:	11:17

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	176.0	0.1393158	0.1225899		-12.0	20
Benzene	A	100.0	104.3	1.031602	1.075965		4.3	20
Bromobenzene	A	100.0	105.6	0.6463048	0.6826709		5.6	20
Bromochloromethane	A	100.0	109.7	0.1234387	0.1354506		9.7	20
Bromodichloromethane	A	100.0	112.0	0.3387663	0.3795172		12.0	20
Bromoform	L	100.0	100.6	0.2692915	0.3398822	0.1	0.6	20
Bromomethane	A	100.0	100.9	0.2016433	0.2034254		0.9	20
n-Butylbenzene	A	100.0	108.5	2.12863	2.309369		8.5	20
2-Butanone	A	200.0	209.4	0.191249	0.2002699		4.7	20
sec-Butylbenzene	A	100.0	112.4	2.708666	3.04458		12.4	20
tert-Butylbenzene	A	100.0	110.9	1.989027	2.205071		10.9	20
Carbon disulfide	A	100.0	93.97	0.8729402	0.8203218		-6.0	20
Carbon tetrachloride	A	100.0	113.6	0.2671193	0.3033688		13.6	20
Chlorobenzene	A	100.0	107.8	1.364875	1.471018	0.3	7.8	20
Chloroethane	A	100.0	98.71	0.2257177	0.2228004		-1.3	20
Chloroform	A	100.0	100.6	0.4684387	0.4712046		0.6	20
Chloromethane	A	100.0	97.47	0.4272675	0.4164401	0.1	-2.5	20
2-Chlorotoluene	A	100.0	107.2	2.074915	2.224988		7.2	20
4-Chlorotoluene	A	100.0	107.9	2.386104	2.57502		7.9	20
Dibromochloromethane	A	100.0	116.3	0.4897167	0.5693819		16.3	20
1,2-Dibromo-3-chloropropane	L	100.0	93.27	0.1089653	0.1219835		-6.7	20
1,2-Dibromoethane (EDB)	A	100.0	106.6	0.5004222	0.5331909		6.5	20
Dibromomethane	A	100.0	109.5	0.1670869	0.1828997		9.5	20
1,2-Dichlorobenzene	A	100.0	108.3	1.128148	1.221558		8.3	20
1,3-Dichlorobenzene	A	100.0	107.4	1.198989	1.287932		7.4	20
1,4-Dichlorobenzene	A	100.0	107.1	1.220094	1.306425		7.1	20
Dichlorodifluoromethane	A	100.0	108.1	0.2414559	0.2609894		8.1	20
1,1-Dichloroethane	A	100.0	114.2	0.5764175	0.6583005	0.1	14.2	20
1,2-Dichloroethane	A	100.0	107.4	0.4220346	0.4530414		7.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0207CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B03906	Injection Date:	02/07/12
Lab Sample ID:	2B03906-CCV1	Injection Time:	11:17

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	105.3	0.2416679	0.2545097		5.3	20
cis-1,2-Dichloroethene	A	100.0	106.1	0.2577866	0.2734506		6.1	20
trans-1,2-Dichloroethene	A	100.0	110.2	0.2597219	0.2860849		10.2	20
1,2-Dichloropropane	A	100.0	107.1	0.3171334	0.3397283		7.1	20
1,3-Dichloropropane	A	100.0	103.2	0.887913	0.9162959		3.2	20
2,2-Dichloropropane	A	100.0	110.6	0.3598293	0.397825		10.6	20
1,1-Dichloropropene	A	100.0	103.7	0.3712824	0.3848775		3.7	20
cis-1,3-Dichloropropene	A	100.0	113.1	0.4096937	0.4633212		13.1	20
trans-1,3-Dichloropropene	A	100.0	111.8	0.8898759	0.9947087		11.8	20
Ethylbenzene	A	100.0	108.6	2.37316	2.578024		8.6	20
Hexachlorobutadiene	A	100.0	106.5	0.2827897	0.3010437		6.5	20
2-Hexanone	A	200.0	214.4	0.5570255	0.5972614		7.2	20
Isopropylbenzene	A	100.0	107.9	1.947103	2.101292		7.9	20
p-Isopropyltoluene	A	100.0	112.8	2.182046	2.46186		12.8	20
Methylene chloride	A	100.0	102.6	0.2902213	0.297904		2.6	20
Naphthalene	A	100.0	106.2	1.479002	1.571026		6.2	20
4-Methyl-2-pentanone	A	200.0	224.2	0.3518109	0.3944101		12.1	20
Methyl t-Butyl Ether	A	100.0	110.2	0.7418208	0.8177652		10.2	20
n-Propylbenzene	A	100.0	106.8	3.42947	3.662882		6.8	20
Styrene	A	100.0	111.0	1.487202	1.651174		11.0	20
1,1,2,2-Tetrachloroethane	A	100.0	100.8	0.8415752	0.8480147	0.3	0.8	20
1,1,1,2-Tetrachloroethane	A	100.0	115.8	0.4259009	0.4932387		15.8	20
Tetrachloroethene	A	100.0	106.7	0.4407149	0.4704131		6.7	20
Toluene	A	100.0	103.6	1.261667	1.306697		3.6	20
1,2,3-Trichlorobenzene	A	100.0	108.3	0.5452249	0.5902632		8.3	20
1,2,4-Trichlorobenzene	A	100.0	108.3	0.6509245	0.7048141		8.3	20
1,1,2-Trichloroethane	A	100.0	104.7	0.4269746	0.4471774		4.7	20
1,1,1-Trichloroethane	A	100.0	108.5	0.3329177	0.361239		8.5	20
Trichloroethene	A	100.0	106.8	0.2467643	0.2635366		6.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0207CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B03906	Injection Date:	02/07/12
Lab Sample ID:	2B03906-CCV1	Injection Time:	11:17

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	108.4	0.3705302	0.4016798		8.4	20
1,2,3-Trichloropropane	A	100.0	104.9	0.1576103	0.1653786		4.9	20
1,3,5-Trimethylbenzene	A	100.0	110.5	2.180352	2.408585		10.5	20
1,2,4-Trimethylbenzene	A	100.0	107.7	2.256899	2.431605		7.7	20
Vinyl chloride	A	100.0	102.1	0.2943877	0.3005404		2.1	20
Xylenes (total)	A	300.0	325.9	1.815413	1.971583		8.6	20
Bromofluorobenzene	A	30.00	30.98	0.8217426	0.848635		3.3	20
Dibromofluoromethane	A	30.00	30.59	0.2747365	0.2801504		2.0	20
1,2-Dichloroethane-d4	A	30.00	30.04	6.080264E-02	6.088201E-02		0.1	20
Toluene-d8	A	30.00	30.61	2.105343	2.14828		2.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0209CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04105	Injection Date:	02/09/12
Lab Sample ID:	2B04105-CCV1	Injection Time:	11:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	214.1	0.1393158	0.1491152		7.0	20
Benzene	A	100.0	102.3	1.031602	1.055068		2.3	20
Bromobenzene	A	100.0	105.0	0.6463048	0.6783555		5.0	20
Bromochloromethane	A	100.0	108.7	0.1234387	0.1341831		8.7	20
Bromodichloromethane	A	100.0	112.8	0.3387663	0.3821727		12.8	20
Bromoform	L	100.0	97.36	0.2692915	0.3288259	0.1	-2.6	20
Bromomethane	A	100.0	110.5	0.2016433	0.2227849		10.5	20
n-Butylbenzene	A	100.0	102.3	2.12863	2.178466		2.3	20
2-Butanone	A	200.0	209.4	0.191249	0.2002327		4.7	20
sec-Butylbenzene	A	100.0	101.6	2.708666	2.751871		1.6	20
tert-Butylbenzene	A	100.0	105.9	1.989027	2.106759		5.9	20
Carbon disulfide	A	100.0	102.1	0.8729402	0.8916101		2.1	20
Carbon tetrachloride	A	100.0	109.5	0.2671193	0.2925918		9.5	20
Chlorobenzene	A	100.0	104.0	1.364875	1.41978	0.3	4.0	20
Chloroethane	A	100.0	107.9	0.2257177	0.2436467		7.9	20
Chloroform	A	100.0	100.2	0.4684387	0.4695086		0.2	20
Chloromethane	A	100.0	113.2	0.4272675	0.4838872	0.1	13.3	20
2-Chlorotoluene	A	100.0	102.8	2.074915	2.133707		2.8	20
4-Chlorotoluene	A	100.0	102.7	2.386104	2.449473		2.7	20
Dibromochloromethane	A	100.0	116.2	0.4897167	0.5689392		16.2	20
1,2-Dibromo-3-chloropropane	L	100.0	98.37	0.1089653	0.1287952		-1.6	20
1,2-Dibromoethane (EDB)	A	100.0	107.6	0.5004222	0.5383638		7.6	20
Dibromomethane	A	100.0	109.8	0.1670869	0.1835223		9.8	20
1,2-Dichlorobenzene	A	100.0	106.4	1.128148	1.200419		6.4	20
1,3-Dichlorobenzene	A	100.0	103.7	1.198989	1.243258		3.7	20
1,4-Dichlorobenzene	A	100.0	101.8	1.220094	1.241754		1.8	20
Dichlorodifluoromethane	A	100.0	111.6	0.2414559	0.269397		11.6	20
1,1-Dichloroethane	A	100.0	87.28	0.5764175	0.5030944	0.1	-12.7	20
1,2-Dichloroethane	A	100.0	109.6	0.4220346	0.4627147		9.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0209CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04105	Injection Date:	02/09/12
Lab Sample ID:	2B04105-CCV1	Injection Time:	11:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1-Dichloroethene	A	100.0	109.6	0.2416679	0.2649342		9.6	20	
cis-1,2-Dichloroethene	A	100.0	101.0	0.2577866	0.2604184		1.0	20	
trans-1,2-Dichloroethene	A	100.0	106.4	0.2597219	0.2763198		6.4	20	
1,2-Dichloropropane	A	100.0	106.4	0.3171334	0.3374662		6.4	20	
1,3-Dichloropropane	A	100.0	105.1	0.887913	0.9335196		5.1	20	
2,2-Dichloropropane	A	100.0	105.1	0.3598293	0.3781972		5.1	20	
1,1-Dichloropropene	A	100.0	99.58	0.3712824	0.3697224		-0.4	20	
cis-1,3-Dichloropropene	A	100.0	112.0	0.4096937	0.459034		12.0	20	
trans-1,3-Dichloropropene	A	100.0	108.8	0.8898759	0.9684893		8.8	20	
Ethylbenzene	A	100.0	102.3	2.37316	2.428619		2.3	20	
Hexachlorobutadiene	A	100.0	94.35	0.2827897	0.2668093		-5.7	20	
2-Hexanone	A	200.0	230.6	0.5570255	0.6422153		15.3	20	
Isopropylbenzene	A	100.0	102.7	1.947103	1.999686		2.7	20	
p-Isopropyltoluene	A	100.0	104.1	2.182046	2.270598		4.1	20	
Methylene chloride	A	100.0	110.8	0.2902213	0.3216908		10.8	20	
Naphthalene	A	100.0	111.1	1.479002	1.643567		11.1	20	
4-Methyl-2-pentanone	A	200.0	247.3	0.3518109	0.4350113		23.6	20	*
Methyl t-Butyl Ether	A	100.0	109.6	0.7418208	0.8127873		9.6	20	
n-Propylbenzene	A	100.0	101.0	3.42947	3.462099		1.0	20	
Styrene	A	100.0	105.3	1.487202	1.565641		5.3	20	
1,1,2,2-Tetrachloroethane	A	100.0	106.5	0.8415752	0.8959557	0.3	6.5	20	
1,1,1,2-Tetrachloroethane	A	100.0	113.0	0.4259009	0.4812321		13.0	20	
Tetrachloroethene	A	100.0	99.97	0.4407149	0.4405961		-0.03	20	
Toluene	A	100.0	99.43	1.261667	1.254514		-0.6	20	
1,2,3-Trichlorobenzene	A	100.0	108.9	0.5452249	0.593821		8.9	20	
1,2,4-Trichlorobenzene	A	100.0	108.6	0.6509245	0.7068548		8.6	20	
1,1,2-Trichloroethane	A	100.0	100.9	0.4269746	0.430816		0.9	20	
1,1,1-Trichloroethane	A	100.0	106.4	0.3329177	0.354313		6.4	20	
Trichloroethene	A	100.0	105.3	0.2467643	0.2597759		5.3	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0209CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04105	Injection Date:	02/09/12
Lab Sample ID:	2B04105-CCV1	Injection Time:	11:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	111.0	0.3705302	0.4113417		11.0	20
1,2,3-Trichloropropane	A	100.0	110.5	0.1576103	0.1740906		10.5	20
1,3,5-Trimethylbenzene	A	100.0	104.6	2.180352	2.281002		4.6	20
1,2,4-Trimethylbenzene	A	100.0	105.0	2.256899	2.369118		5.0	20
Vinyl chloride	A	100.0	110.4	0.2943877	0.3251202		10.4	20
Xylenes (total)	A	300.0	308.4	1.815413	1.866253		2.8	20
Bromofluorobenzene	A	30.00	31.38	0.8217426	0.8594853		4.6	20
Dibromofluoromethane	A	30.00	31.20	0.2747365	0.2857127		4.0	20
1,2-Dichloroethane-d4	A	30.00	30.70	6.080264E-02	6.221955E-02		2.3	20
Toluene-d8	A	30.00	29.86	2.105343	2.095523		-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

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0210CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04405	Injection Date:	02/10/12
Lab Sample ID:	2B04405-CCV1	Injection Time:	10:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	172.0	0.1393158	0.1198305		-14.0	20
Benzene	A	100.0	104.6	1.031602	1.07927		4.6	20
Bromobenzene	A	100.0	102.7	0.6463048	0.6638178		2.7	20
Bromochloromethane	A	100.0	109.6	0.1234387	0.1353157		9.6	20
Bromodichloromethane	A	100.0	112.0	0.3387663	0.3793177		12.0	20
Bromoform	L	100.0	93.24	0.2692915	0.3146038	0.1	-6.8	20
Bromomethane	A	100.0	97.45	0.2016433	0.1965084		-2.5	20
n-Butylbenzene	A	100.0	110.7	2.12863	2.357338		10.7	20
2-Butanone	A	200.0	218.8	0.191249	0.2092422		9.4	20
sec-Butylbenzene	A	100.0	108.5	2.708666	2.939153		8.5	20
tert-Butylbenzene	A	100.0	108.5	1.989027	2.15753		8.5	20
Carbon disulfide	A	100.0	86.02	0.8729402	0.750944		-14.0	20
Carbon tetrachloride	A	100.0	111.8	0.2671193	0.2987085		11.8	20
Chlorobenzene	A	100.0	105.6	1.364875	1.440773	0.3	5.6	20
Chloroethane	A	100.0	91.05	0.2257177	0.2055201		-8.9	20
Chloroform	A	100.0	103.0	0.4684387	0.4826672		3.0	20
Chloromethane	A	100.0	91.56	0.4272675	0.3911861	0.1	-8.4	20
2-Chlorotoluene	A	100.0	105.4	2.074915	2.187651		5.4	20
4-Chlorotoluene	A	100.0	105.4	2.386104	2.515215		5.4	20
Dibromochloromethane	A	100.0	113.1	0.4897167	0.5539329		13.1	20
1,2-Dibromo-3-chloropropane	L	100.0	91.01	0.1089653	0.1189723		-9.0	20
1,2-Dibromoethane (EDB)	A	100.0	104.4	0.5004222	0.522583		4.4	20
Dibromomethane	A	100.0	107.9	0.1670869	0.1802431		7.9	20
1,2-Dichlorobenzene	A	100.0	106.0	1.128148	1.196218		6.0	20
1,3-Dichlorobenzene	A	100.0	103.9	1.198989	1.246247		3.9	20
1,4-Dichlorobenzene	A	100.0	103.8	1.220094	1.266116		3.8	20
Dichlorodifluoromethane	A	100.0	104.6	0.2414559	0.2526266		4.6	20
1,1-Dichloroethane	A	100.0	101.6	0.5764175	0.585848	0.1	1.6	20
1,2-Dichloroethane	A	100.0	109.5	0.4220346	0.4619657		9.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0210CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04405	Injection Date:	02/10/12
Lab Sample ID:	2B04405-CCV1	Injection Time:	10:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	94.26	0.2416679	0.2278028		-5.7	20
cis-1,2-Dichloroethene	A	100.0	105.5	0.2577866	0.2718803		5.5	20
trans-1,2-Dichloroethene	A	100.0	100.1	0.2597219	0.2598663		0.06	20
1,2-Dichloropropane	A	100.0	107.0	0.3171334	0.3394792		7.0	20
1,3-Dichloropropane	A	100.0	103.7	0.887913	0.9209482		3.7	20
2,2-Dichloropropane	A	100.0	112.7	0.3598293	0.4055655		12.7	20
1,1-Dichloropropene	A	100.0	103.7	0.3712824	0.385186		3.7	20
cis-1,3-Dichloropropene	A	100.0	113.6	0.4096937	0.4655206		13.6	20
trans-1,3-Dichloropropene	A	100.0	109.6	0.8898759	0.9749274		9.6	20
Ethylbenzene	A	100.0	104.7	2.37316	2.484377		4.7	20
Hexachlorobutadiene	A	100.0	109.3	0.2827897	0.3090561		9.3	20
2-Hexanone	A	200.0	225.2	0.5570255	0.627218		12.6	20
Isopropylbenzene	A	100.0	105.8	1.947103	2.059866		5.8	20
p-Isopropyltoluene	A	100.0	110.5	2.182046	2.411979		10.5	20
Methylene chloride	A	100.0	91.40	0.2902213	0.2652649		-8.6	20
Naphthalene	A	100.0	102.3	1.479002	1.512593		2.3	20
4-Methyl-2-pentanone	A	200.0	241.1	0.3518109	0.424136		20.6	20 *
Methyl t-Butyl Ether	A	100.0	99.26	0.7418208	0.736314		-0.7	20
n-Propylbenzene	A	100.0	106.6	3.42947	3.653958		6.5	20
Styrene	A	100.0	107.8	1.487202	1.603549		7.8	20
1,1,2,2-Tetrachloroethane	A	100.0	102.4	0.8415752	0.8618059	0.3	2.4	20
1,1,1,2-Tetrachloroethane	A	100.0	109.8	0.4259009	0.4674284		9.8	20
Tetrachloroethene	A	100.0	101.6	0.4407149	0.4477231		1.6	20
Toluene	A	100.0	101.1	1.261667	1.276071		1.1	20
1,2,3-Trichlorobenzene	A	100.0	104.2	0.5452249	0.5682876		4.2	20
1,2,4-Trichlorobenzene	A	100.0	105.2	0.6509245	0.6845151		5.2	20
1,1,2-Trichloroethane	A	100.0	102.2	0.4269746	0.4363844		2.2	20
1,1,1-Trichloroethane	A	100.0	108.2	0.3329177	0.3601305		8.2	20
Trichloroethene	A	100.0	107.3	0.2467643	0.2646786		7.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0210CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04405	Injection Date:	02/10/12
Lab Sample ID:	2B04405-CCV1	Injection Time:	10:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	101.6	0.3705302	0.3764046		1.6	20
1,2,3-Trichloropropane	A	100.0	103.8	0.1576103	0.1636103		3.8	20
1,3,5-Trimethylbenzene	A	100.0	107.6	2.180352	2.345729		7.6	20
1,2,4-Trimethylbenzene	A	100.0	107.3	2.256899	2.421024		7.3	20
Vinyl chloride	A	100.0	93.27	0.2943877	0.2745779		-6.7	20
Xylenes (total)	A	300.0	315.6	1.815413	1.909807		5.2	20
Bromofluorobenzene	A	30.00	31.73	0.8217426	0.8691339		5.8	20
Dibromofluoromethane	A	30.00	30.79	0.2747365	0.2820141		2.6	20
1,2-Dichloroethane-d4	A	30.00	30.21	6.080264E-02	6.122595E-02		0.7	20
Toluene-d8	A	30.00	30.03	2.105343	2.1072		0.09	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0213CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04502	Injection Date:	02/13/12
Lab Sample ID:	2B04502-CCV1	Injection Time:	07:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	151.9	0.1393158	0.1058367		-24.0	20 *
Benzene	A	100.0	100.8	1.031602	1.040334		0.8	20
Bromobenzene	A	100.0	98.81	0.6463048	0.6386131		-1.2	20
Bromochloromethane	A	100.0	103.5	0.1234387	0.1277998		3.5	20
Bromodichloromethane	A	100.0	110.1	0.3387663	0.373103		10.1	20
Bromoform	L	100.0	88.01	0.2692915	0.2965346	0.1	-12.0	20
Bromomethane	A	100.0	109.6	0.2016433	0.220949		9.6	20
n-Butylbenzene	A	100.0	102.4	2.12863	2.17971		2.4	20
2-Butanone	A	200.0	193.8	0.191249	0.1853317		-3.1	20
sec-Butylbenzene	A	100.0	101.6	2.708666	2.752842		1.6	20
tert-Butylbenzene	A	100.0	102.1	1.989027	2.030772		2.1	20
Carbon disulfide	A	100.0	80.23	0.8729402	0.7003287		-19.8	20
Carbon tetrachloride	A	100.0	108.9	0.2671193	0.2909996		8.9	20
Chlorobenzene	A	100.0	95.36	1.364875	1.301568	0.3	-4.6	20
Chloroethane	A	100.0	82.16	0.2257177	0.1854483		-17.8	20
Chloroform	A	100.0	99.08	0.4684387	0.4641394		-0.9	20
Chloromethane	A	100.0	68.25	0.4272675	0.2916202	0.1	-31.7	20 *
2-Chlorotoluene	A	100.0	101.7	2.074915	2.109415		1.7	20
4-Chlorotoluene	A	100.0	100.9	2.386104	2.408355		0.9	20
Dibromochloromethane	A	100.0	104.3	0.4897167	0.5108538		4.3	20
1,2-Dibromo-3-chloropropane	L	100.0	92.30	0.1089653	0.1206905		-7.7	20
1,2-Dibromoethane (EDB)	A	100.0	97.86	0.5004222	0.4896896		-2.1	20
Dibromomethane	A	100.0	104.9	0.1670869	0.1752116		4.9	20
1,2-Dichlorobenzene	A	100.0	100.5	1.128148	1.133819		0.5	20
1,3-Dichlorobenzene	A	100.0	98.41	1.198989	1.179883		-1.6	20
1,4-Dichlorobenzene	A	100.0	97.14	1.220094	1.185253		-2.9	20
Dichlorodifluoromethane	A	100.0	93.02	0.2414559	0.2245955		-7.0	20
1,1-Dichloroethane	A	100.0	97.15	0.5764175	0.5599999	0.1	-2.8	20
1,2-Dichloroethane	A	100.0	109.1	0.4220346	0.4604702		9.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0213CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04502	Injection Date:	02/13/12
Lab Sample ID:	2B04502-CCV1	Injection Time:	07:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	86.54	0.2416679	0.2091502		-13.5	20
cis-1,2-Dichloroethene	A	100.0	99.27	0.2577866	0.2559023		-0.7	20
trans-1,2-Dichloroethene	A	100.0	93.40	0.2597219	0.2425921		-6.6	20
1,2-Dichloropropane	A	100.0	104.1	0.3171334	0.3300367		4.1	20
1,3-Dichloropropane	A	100.0	98.96	0.887913	0.8786876		-1.0	20
2,2-Dichloropropane	A	100.0	110.1	0.3598293	0.3961141		10.1	20
1,1-Dichloropropene	A	100.0	101.8	0.3712824	0.3778084		1.8	20
cis-1,3-Dichloropropene	A	100.0	110.7	0.4096937	0.4534658		10.7	20
trans-1,3-Dichloropropene	A	100.0	103.3	0.8898759	0.9188848		3.3	20
Ethylbenzene	A	100.0	97.24	2.37316	2.307587		-2.8	20
Hexachlorobutadiene	A	100.0	90.41	0.2827897	0.2556615		-9.6	20
2-Hexanone	A	200.0	205.4	0.5570255	0.5720468		2.7	20
Isopropylbenzene	A	100.0	96.24	1.947103	1.873964		-3.8	20
p-Isopropyltoluene	A	100.0	103.4	2.182046	2.256587		3.4	20
Methylene chloride	A	100.0	86.22	0.2902213	0.2502209		-13.8	20
Naphthalene	A	100.0	102.6	1.479002	1.51751		2.6	20
4-Methyl-2-pentanone	A	200.0	226.6	0.3518109	0.39854		13.3	20
Methyl t-Butyl Ether	A	100.0	97.95	0.7418208	0.7266386		-2.0	20
n-Propylbenzene	A	100.0	100.0	3.42947	3.430349		0.03	20
Styrene	A	100.0	97.69	1.487202	1.452777		-2.3	20
1,1,2,2-Tetrachloroethane	A	100.0	103.8	0.8415752	0.8739251	0.3	3.8	20
1,1,1,2-Tetrachloroethane	A	100.0	101.3	0.4259009	0.4315297		1.3	20
Tetrachloroethene	A	100.0	91.96	0.4407149	0.405282		-8.0	20
Toluene	A	100.0	93.93	1.261667	1.185066		-6.1	20
1,2,3-Trichlorobenzene	A	100.0	100.3	0.5452249	0.5468714		0.3	20
1,2,4-Trichlorobenzene	A	100.0	98.91	0.6509245	0.6438183		-1.1	20
1,1,2-Trichloroethane	A	100.0	97.07	0.4269746	0.4144809		-2.9	20
1,1,1-Trichloroethane	A	100.0	105.5	0.3329177	0.3512207		5.5	20
Trichloroethene	A	100.0	103.1	0.2467643	0.2544816		3.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2033002
Lab File ID:	0213CCV1.D	Calibration Date:	01/30/12 07:42
Sequence:	2B04502	Injection Date:	02/13/12
Lab Sample ID:	2B04502-CCV1	Injection Time:	07:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	94.57	0.3705302	0.3504157		-5.4	20
1,2,3-Trichloropropane	A	100.0	98.95	0.1576103	0.1559565		-1.0	20
1,3,5-Trimethylbenzene	A	100.0	102.0	2.180352	2.2239		2.0	20
1,2,4-Trimethylbenzene	A	100.0	101.9	2.256899	2.299661		1.9	20
Vinyl chloride	A	100.0	81.03	0.2943877	0.2385303		-19.0	20
Xylenes (total)	A	300.0	290.5	1.815413	1.757672		-3.2	20
Bromofluorobenzene	A	30.00	31.07	0.8217426	0.8509602		3.6	20
Dibromofluoromethane	A	30.00	30.97	0.2747365	0.2836501		3.2	20
1,2-Dichloroethane-d4	A	30.00	30.28	6.080264E-02	6.137213E-02		0.9	20
Toluene-d8	A	30.00	28.99	2.105343	2.034644		-3.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2048001
Lab File ID:	0216CCV1.D	Calibration Date:	02/14/12 08:40
Sequence:	2B04803	Injection Date:	02/16/12
Lab Sample ID:	2B04803-CCV1	Injection Time:	08:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	207.6	9.811295E-02	0.101866		3.8	20
Benzene	A	100.0	106.2	0.9874392	1.048414		6.2	20
Bromobenzene	A	100.0	107.3	0.7350837	0.7889142		7.3	20
Bromochloromethane	A	100.0	111.8	0.1189436	0.1330404		11.9	20
Bromodichloromethane	A	100.0	111.6	0.3849118	0.4295184		11.6	20
Bromoform	A	100.0	118.6	0.3190393	0.3782414	0.1	18.6	20
Bromomethane	A	100.0	96.45	0.2385444	0.2300652		-3.6	20
n-Butylbenzene	A	100.0	108.4	1.245367	1.35023		8.4	20
2-Butanone	A	200.0	241.4	0.1602965	0.1934902		20.7	20 *
sec-Butylbenzene	A	100.0	106.1	2.171078	2.302758		6.1	20
tert-Butylbenzene	A	100.0	105.3	1.625198	1.711615		5.3	20
Carbon disulfide	A	100.0	108.3	0.8141811	0.8814741		8.3	20
Carbon tetrachloride	A	100.0	108.2	0.2738609	0.2962369		8.2	20
Chlorobenzene	A	100.0	109.0	1.191411	1.29928	0.3	9.1	20
Chloroethane	A	100.0	102.1	0.1966924	0.200864		2.1	20
Chloroform	A	100.0	102.2	0.5088186	0.519863		2.2	20
Chloromethane	A	100.0	100.6	0.4654602	0.4681639	0.1	0.6	20
2-Chlorotoluene	A	100.0	103.3	2.202507	2.275818		3.3	20
4-Chlorotoluene	A	100.0	105.3	2.312411	2.434994		5.3	20
Dibromochloromethane	A	100.0	113.8	0.5654889	0.6436276		13.8	20
1,2-Dibromo-3-chloropropane	A	100.0	115.9	0.1214849	0.1408503		15.9	20
1,2-Dibromoethane (EDB)	A	100.0	112.3	0.5018841	0.5634559		12.3	20
Dibromomethane	A	100.0	110.7	0.1840144	0.2036852		10.7	20
1,2-Dichlorobenzene	A	100.0	112.9	1.058658	1.194878		12.9	20
1,3-Dichlorobenzene	A	100.0	109.0	1.140886	1.242993		8.9	20
1,4-Dichlorobenzene	A	100.0	109.0	1.126516	1.227727		9.0	20
Dichlorodifluoromethane	A	100.0	111.5	0.3276754	0.3654271		11.5	20
1,1-Dichloroethane	A	100.0	107.9	0.5576754	0.6015526	0.1	7.9	20
1,2-Dichloroethane	A	100.0	110.6	0.4307785	0.4762416		10.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2048001
Lab File ID:	0216CCV1.D	Calibration Date:	02/14/12 08:40
Sequence:	2B04803	Injection Date:	02/16/12
Lab Sample ID:	2B04803-CCV1	Injection Time:	08:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	108.8	0.2006368	0.2182677		8.8	20
cis-1,2-Dichloroethene	A	100.0	108.8	0.2485436	0.2702953		8.8	20
trans-1,2-Dichloroethene	A	100.0	106.5	0.2292499	0.2442287		6.5	20
1,2-Dichloropropane	A	100.0	105.5	0.3255985	0.3435491		5.5	20
1,3-Dichloropropane	A	100.0	109.7	0.886725	0.9725284		9.7	20
2,2-Dichloropropane	A	100.0	114.1	0.3656961	0.4172604		14.1	20
1,1-Dichloropropene	A	100.0	104.0	0.3654701	0.3800728		4.0	20
cis-1,3-Dichloropropene	A	100.0	112.3	0.4299522	0.482762		12.3	20
trans-1,3-Dichloropropene	A	100.0	111.9	0.9325394	1.043805		11.9	20
Ethylbenzene	A	100.0	109.0	2.081656	2.269918		9.0	20
Hexachlorobutadiene	A	100.0	104.2	0.2110122	0.2199564		4.2	20
2-Hexanone	A	200.0	230.1	0.4331849	0.4982992		15.0	20
Isopropylbenzene	A	100.0	115.6	1.492579	1.726212		15.7	20
p-Isopropyltoluene	A	100.0	107.0	1.455184	1.556352		7.0	20
Methylene chloride	A	100.0	97.38	0.3050365	0.2970369		-2.6	20
Naphthalene	L	100.0	83.68	0.4422746	0.4592812		-16.3	20
4-Methyl-2-pentanone	A	200.0	228.7	0.2817801	0.3222746		14.4	20
Methyl t-Butyl Ether	A	100.0	107.1	0.6564414	0.7029855		7.1	20
n-Propylbenzene	A	100.0	104.3	3.163038	3.299081		4.3	20
Styrene	A	100.0	117.5	1.183931	1.391573		17.5	20
1,1,2,2-Tetrachloroethane	A	100.0	104.6	1.000484	1.046615	0.3	4.6	20
1,1,1,2-Tetrachloroethane	A	100.0	117.1	0.4254283	0.4982906		17.1	20
Tetrachloroethene	A	100.0	114.1	0.3717167	0.4242218		14.1	20
Toluene	A	100.0	110.9	1.126057	1.248798		10.9	20
1,2,3-Trichlorobenzene	L	100.0	85.05	0.2245455	0.2326247		-15.0	20
1,2,4-Trichlorobenzene	L	100.0	89.72	0.2532616	0.2967941		-10.3	20
1,1,2-Trichloroethane	A	100.0	109.6	0.4301508	0.4713864		9.6	20
1,1,1-Trichloroethane	A	100.0	111.0	0.3401436	0.3775497		11.0	20
Trichloroethene	A	100.0	108.3	0.2410538	0.2610156		8.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2048001
Lab File ID:	0216CCV1.D	Calibration Date:	02/14/12 08:40
Sequence:	2B04803	Injection Date:	02/16/12
Lab Sample ID:	2B04803-CCV1	Injection Time:	08:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	105.4	0.3716557	0.3915386		5.3	20
1,2,3-Trichloropropane	A	100.0	114.8	0.1342561	0.1541188		14.8	20
1,3,5-Trimethylbenzene	A	100.0	106.2	1.487469	1.579069		6.2	20
1,2,4-Trimethylbenzene	A	100.0	110.0	1.358869	1.495252		10.0	20
Vinyl chloride	A	100.0	99.82	0.2708036	0.2703109		-0.2	20
Xylenes (total)	A	300.0	336.2	1.502316	1.684156		12.1	20
Bromofluorobenzene	A	30.00	33.69	0.7783489	0.8741127		12.3	20
Dibromofluoromethane	A	30.00	30.06	0.3134597	0.3141146		0.2	20
1,2-Dichloroethane-d4	A	30.00	29.68	5.862592E-02	5.799223E-02		-1.1	20
Toluene-d8	A	30.00	31.76	1.982811	2.09888		5.9	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B07008-BLK1 File ID: 0207BLK1.D

Sampled: Prepared: Analyzed: 02/07/12 13:04

Solids: Preparation: 5030B Dilution:

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B07008-BLK1
File ID: 0207BLK1.D
Sampled:
Prepared:
Analyzed: 02/07/12 13:04
Solids:
Preparation: 5030B
Dilution:
Batch: 2B07008
Sequence: 2B03906
Calibration: 2033002
Instrument: MS-VOA6

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	0.350	0.250	0.500	1.00	J
120-82-1	1,2,4-Trichlorobenzene	0.260	0.250	0.500	1.00	J
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.94	103	75 - 120	
Dibromofluoromethane	30.00	31.21	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.15	100	70 - 120	
Toluene-d8	30.00	30.14	100	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B07008-BS1 | File ID: 0207LCS1.D

Sampled: | Prepared: | Analyzed: 02/07/12 11:44

Solids: | Preparation: 5030B | Dilution:

Batch: 2B07008 | Sequence: 2B03906 | Calibration: 2033002 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	82.0	2.50	5.00	10.0	
71-43-2	Benzene	50.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.2	0.250	0.500	1.00	
75-25-2	Bromoform	46.9	0.250	0.500	1.00	
74-83-9	Bromomethane	51.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	53.0	0.250	0.500	1.00	
78-93-3	2-Butanone	97.9	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	40.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.6	0.250	0.500	1.00	
75-00-3	Chloroethane	53.4	0.500	1.00	2.00	
67-66-3	Chloroform	46.4	0.250	0.500	1.00	
74-87-3	Chloromethane	47.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	54.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	43.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	48.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.0	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B07008-BS1 File ID: 0207LCS1.D

Sampled: Prepared: Analyzed: 02/07/12 11:44

Solids: Preparation: 5030B Dilution:

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	102	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	51.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.6	0.500	1.00	2.00	
91-20-3	Naphthalene	54.7	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	108	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	52.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.0	0.250	0.500	1.00	
100-42-5	Styrene	52.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	54.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.8	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	53.7	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	53.3	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.7	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	53.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	58.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	154	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.63	105	75 - 120	
Dibromofluoromethane	30.00	31.14	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.59	102	70 - 120	
Toluene-d8	30.00	30.46	102	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B07008-BSD1 File ID: 0207LCD1.D

Sampled: Prepared: Analyzed: 02/07/12 16:38

Solids: Preparation: 5030B Dilution:

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	80.8	2.50	5.00	10.0	
71-43-2	Benzene	50.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	45.2	0.250	0.500	1.00	
75-25-2	Bromoform	43.7	0.250	0.500	1.00	
74-83-9	Bromomethane	43.5	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	46.6	0.250	0.500	1.00	
78-93-3	2-Butanone	107	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	46.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	37.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.8	0.250	0.500	1.00	
75-00-3	Chloroethane	46.3	0.500	1.00	2.00	
67-66-3	Chloroform	49.3	0.250	0.500	1.00	
74-87-3	Chloromethane	42.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	46.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	37.4	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	41.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	46.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	45.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.9	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	48.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B07008-BSD1 File ID: 0207LCD1.D

Sampled: Prepared: Analyzed: 02/07/12 16:38

Solids: Preparation: 5030B Dilution:

Batch: 2B07008 Sequence: 2B03906 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	102	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	44.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.7	0.500	1.00	2.00	
91-20-3	Naphthalene	48.3	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	99.4	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	46.4	0.250	0.500	1.00	
100-42-5	Styrene	49.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	46.0	0.250	0.500	1.00	
108-88-3	Toluene	47.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.1	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	46.3	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	50.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	45.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	46.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	50.3	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	144	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.25	104	75 - 120	
Dibromofluoromethane	30.00	31.12	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.98	99.9	70 - 120	
Toluene-d8	30.00	29.56	98.5	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B08011-BLK1 File ID: 0209BLK1.D

Sampled: Prepared: Analyzed: 02/09/12 13:15

Solids: Preparation: 5030B Dilution:

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.430	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B08011-BLK1
File ID: 0209BLK1.D
Sampled:
Prepared:
Analyzed: 02/09/12 13:15
Solids:
Preparation: 5030B
Dilution:
Batch: 2B08011
Sequence: 2B04105
Calibration: 2033002
Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene	0.320	0.250	0.500	1.00	J
120-82-1	1,2,4-Trichlorobenzene	0.250	0.250	0.500	1.00	J
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.91	103	75 - 120	
Dibromofluoromethane	30.00	31.63	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.11	104	70 - 120	
Toluene-d8	30.00	29.69	99.0	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B08011-BS1 File ID: 0209LCS1.D

Sampled: Prepared: Analyzed: 02/09/12 11:55

Solids: Preparation: 5030B Dilution:

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	105	2.50	5.00	10.0	
71-43-2	Benzene	49.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.7	0.250	0.500	1.00	
75-25-2	Bromoform	47.7	0.250	0.500	1.00	
74-83-9	Bromomethane	56.7	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.3	0.250	0.500	1.00	
78-93-3	2-Butanone	88.9	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.0	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.7	0.250	0.500	1.00	
75-00-3	Chloroethane	57.2	0.500	1.00	2.00	
67-66-3	Chloroform	45.0	0.250	0.500	1.00	
74-87-3	Chloromethane	54.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	55.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	52.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	45.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	54.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	44.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	52.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	47.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	49.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.4	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B08011-BS1
File ID: 0209LCS1.D
Sampled:
Prepared:
Analyzed: 02/09/12 11:55
Solids:
Preparation: 5030B
Dilution:
Batch: 2B08011
Sequence: 2B04105
Calibration: 2033002
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	119	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	49.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	53.0	0.500	1.00	2.00	
91-20-3	Naphthalene	58.3	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	126	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	56.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.3	0.250	0.500	1.00	
100-42-5	Styrene	51.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	54.2	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	54.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.8	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	55.4	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	52.8	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	52.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	51.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	56.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	55.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.9	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	64.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	153	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.07	104	75 - 120	
Dibromofluoromethane	30.00	30.21	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.13	100	70 - 120	
Toluene-d8	30.00	30.08	100	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B08011-MS1 File ID: 0204301M.D

Sampled: Prepared: Analyzed: 02/09/12 19:02

Solids: Preparation: 5030B Dilution:

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	101	2.50	5.00	10.0	
71-43-2	Benzene	54.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.5	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.9	0.250	0.500	1.00	
75-25-2	Bromoform	41.7	0.250	0.500	1.00	
74-83-9	Bromomethane	47.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.5	0.250	0.500	1.00	
78-93-3	2-Butanone	110	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	40.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.9	0.250	0.500	1.00	
75-00-3	Chloroethane	51.4	0.500	1.00	2.00	
67-66-3	Chloroform	51.6	0.250	0.500	1.00	
74-87-3	Chloromethane	49.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	52.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.8	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	44.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	58.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	55.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.6	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	31.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.1	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	39.8	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B08011-MS1 File ID: 0204301M.D

Sampled: Prepared: Analyzed: 02/09/12 19:02

Solids: Preparation: 5030B Dilution:

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	116	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	47.5	0.500	1.00	2.00	
91-20-3	Naphthalene	50.4	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	132	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	49.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.9	0.250	0.500	1.00	
100-42-5	Styrene	49.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	55.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	44.7	0.250	0.500	1.00	
108-88-3	Toluene	49.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.1	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	46.7	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	55.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	53.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	59.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	153	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	30.75	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.31	101	70 - 120	
Toluene-d8	30.00	28.76	95.9	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B08011-MSD1 File ID: 0204301S.D

Sampled: Prepared: Analyzed: 02/09/12 19:29

Solids: Preparation: 5030B Dilution:

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	99.3	2.50	5.00	10.0	
71-43-2	Benzene	52.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.5	0.250	0.500	1.00	
75-25-2	Bromoform	42.1	0.250	0.500	1.00	
74-83-9	Bromomethane	50.4	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.0	0.250	0.500	1.00	
78-93-3	2-Butanone	111	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	39.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.9	0.250	0.500	1.00	
75-00-3	Chloroethane	50.8	0.500	1.00	2.00	
67-66-3	Chloroform	50.5	0.250	0.500	1.00	
74-87-3	Chloromethane	48.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	51.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.5	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	42.4	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	57.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	30.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.0	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B08011-MSD1 File ID: 0204301S.D

Sampled: Prepared: Analyzed: 02/09/12 19:29

Solids: Preparation: 5030B Dilution:

Batch: 2B08011 Sequence: 2B04105 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	114	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	47.8	0.500	1.00	2.00	
91-20-3	Naphthalene	52.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	128	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	50.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.4	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	55.2	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	43.2	0.250	0.500	1.00	
108-88-3	Toluene	47.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.0	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	46.8	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.1	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	56.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	149	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.41	101	75 - 120	
Dibromofluoromethane	30.00	31.14	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.05	100	70 - 120	
Toluene-d8	30.00	28.78	95.9	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B10017-BLK1 File ID: 0210BLK1.D

Sampled: Prepared: Analyzed: 02/10/12 12:31

Solids: Preparation: 5030B Dilution:

Batch: 2B10017 Sequence: 2B04405 Calibration: 2033002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B10017-BLK1
File ID: 0210BLK1.D
Sampled:
Prepared:
Analyzed: 02/10/12 12:31
Solids:
Preparation: 5030B
Dilution:
Batch: 2B10017
Sequence: 2B04405
Calibration: 2033002
Instrument: MS-VOA6

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	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene	0.320	0.250	0.500	1.00	J
120-82-1	1,2,4-Trichlorobenzene	0.250	0.250	0.500	1.00	J
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.41	101	75 - 120	
Dibromofluoromethane	30.00	30.81	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.13	100	70 - 120	
Toluene-d8	30.00	29.69	99.0	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B10017-BS1 | File ID: 0210LCS1.D

Sampled: | Prepared: | Analyzed: 02/10/12 11:11

Solids: | Preparation: 5030B | Dilution:

Batch: 2B10017 | Sequence: 2B04405 | Calibration: 2033002 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	88.1	2.50	5.00	10.0	
71-43-2	Benzene	51.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.6	0.250	0.500	1.00	
75-25-2	Bromoform	45.4	0.250	0.500	1.00	
74-83-9	Bromomethane	49.5	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.6	0.250	0.500	1.00	
78-93-3	2-Butanone	107	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	38.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.2	0.250	0.500	1.00	
75-00-3	Chloroethane	50.2	0.500	1.00	2.00	
67-66-3	Chloroform	49.8	0.250	0.500	1.00	
74-87-3	Chloromethane	46.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	51.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	53.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	41.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	54.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	43.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	52.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	54.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	57.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.2	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B10017-BS1 | File ID: 0210LCS1.D

Sampled: | Prepared: | Analyzed: 02/10/12 11:11

Solids: | Preparation: 5030B | Dilution:

Batch: 2B10017 | Sequence: 2B04405 | Calibration: 2033002 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	116	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.3	0.500	1.00	2.00	
91-20-3	Naphthalene	50.9	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	124	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	51.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.2	0.250	0.500	1.00	
100-42-5	Styrene	50.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	53.2	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.8	0.250	0.500	1.00	
108-88-3	Toluene	49.3	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.4	0.250	0.500	1.00	B
120-82-1	1,2,4-Trichlorobenzene	50.6	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.7	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	52.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	55.2	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	152	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.53	105	75 - 120	
Dibromofluoromethane	30.00	31.03	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.83	103	70 - 120	
Toluene-d8	30.00	29.50	98.3	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13001-BLK1 File ID: 0213BLK1.D

Sampled: Prepared: Analyzed: 02/13/12 10:39

Solids: Preparation: 5030B Dilution:

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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	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	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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	0.420	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13001-BLK1 File ID: 0213BLK1.D

Sampled: Prepared: Analyzed: 02/13/12 10:39

Solids: Preparation: 5030B Dilution:

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.25	104	75 - 120	
Dibromofluoromethane	30.00	31.48	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.90	103	70 - 120	
Toluene-d8	30.00	29.48	98.3	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B13001-BS1 | File ID: 0213LCS1.D

Sampled: | Prepared: | Analyzed: 02/13/12 08:15

Solids: | Preparation: 5030B | Dilution:

Batch: 2B13001 | Sequence: 2B04502 | Calibration: 2033002 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	76.2	2.50	5.00	10.0	Y
71-43-2	Benzene	49.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.5	0.250	0.500	1.00	
75-25-2	Bromoform	41.4	0.250	0.500	1.00	
74-83-9	Bromomethane	55.4	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.3	0.250	0.500	1.00	
78-93-3	2-Butanone	102	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	35.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.2	0.250	0.500	1.00	
75-00-3	Chloroethane	45.4	0.500	1.00	2.00	
67-66-3	Chloroform	48.6	0.250	0.500	1.00	
74-87-3	Chloromethane	35.3	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	50.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.4	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)	47.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	36.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	48.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	40.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	45.8	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	48.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.8	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13001-BS1 File ID: 0213LCS1.D

Sampled: Prepared: Analyzed: 02/13/12 08:15

Solids: Preparation: 5030B Dilution:

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	101	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	44.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	49.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.0	0.500	1.00	2.00	
91-20-3	Naphthalene	53.2	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	112	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.3	0.250	0.500	1.00	
100-42-5	Styrene	46.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	44.1	0.250	0.500	1.00	
108-88-3	Toluene	46.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.7	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	50.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	47.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	51.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.7	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	47.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	46.4	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	143	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.70	102	75 - 120	
Dibromofluoromethane	30.00	31.12	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	28.77	95.9	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13001-MS1 File ID: 0206909M.D

Sampled: Prepared: Analyzed: 02/13/12 17:19

Solids: Preparation: 5030B Dilution:

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	87.3	2.50	5.00	10.0	Y
71-43-2	Benzene	53.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	53.7	0.250	0.500	1.00	
75-25-2	Bromoform	42.3	0.250	0.500	1.00	
74-83-9	Bromomethane	44.9	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	45.2	0.250	0.500	1.00	
78-93-3	2-Butanone	99.0	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	34.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	56.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.2	0.250	0.500	1.00	
75-00-3	Chloroethane	44.5	0.500	1.00	2.00	
67-66-3	Chloroform	52.6	0.250	0.500	1.00	
74-87-3	Chloromethane	39.3	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	50.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	42.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	41.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	41.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.6	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	13.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	45.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	37.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	37.8	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13001-MS1 File ID: 0206909M.D

Sampled: Prepared: Analyzed: 02/13/12 17:19

Solids: Preparation: 5030B Dilution:

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	106	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.4	0.500	1.00	2.00	
91-20-3	Naphthalene	46.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	120	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.6	0.250	0.500	1.00	
100-42-5	Styrene	44.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	46.1	0.250	0.500	1.00	
108-88-3	Toluene	49.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	43.9	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	43.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	56.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.2	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	51.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	45.6	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	152	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.29	104	75 - 120	
Dibromofluoromethane	30.00	31.48	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.26	101	70 - 120	
Toluene-d8	30.00	28.86	96.2	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13001-MSD1 File ID: 0206909S.D

Sampled: Prepared: Analyzed: 02/13/12 17:46

Solids: Preparation: 5030B Dilution:

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	53.1	2.50	5.00	10.0	Y
71-43-2	Benzene	52.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	53.7	0.250	0.500	1.00	
75-25-2	Bromoform	43.7	0.250	0.500	1.00	
74-83-9	Bromomethane	46.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	44.6	0.250	0.500	1.00	
78-93-3	2-Butanone	103	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	37.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.8	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.5	0.250	0.500	1.00	
75-00-3	Chloroethane	45.8	0.500	1.00	2.00	
67-66-3	Chloroform	51.5	0.250	0.500	1.00	
74-87-3	Chloromethane	39.0	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	50.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	38.3	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	49.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	55.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	39.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	47.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	53.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	12.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	46.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	37.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.2	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13001-MSD1 File ID: 0206909S.D

Sampled: Prepared: Analyzed: 02/13/12 17:46

Solids: Preparation: 5030B Dilution:

Batch: 2B13001 Sequence: 2B04502 Calibration: 2033002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	105	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	47.0	0.500	1.00	2.00	
91-20-3	Naphthalene	49.8	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	118	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.2	0.250	0.500	1.00	
100-42-5	Styrene	44.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	52.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.6	0.250	0.500	1.00	
108-88-3	Toluene	48.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	45.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	51.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.7	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	49.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	52.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	46.4	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	150	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.50	105	75 - 120	
Dibromofluoromethane	30.00	31.39	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.12	100	70 - 120	
Toluene-d8	30.00	29.32	97.7	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B16015-BLK1 File ID: 0216BL1.D

Sampled: Prepared: Analyzed: 02/16/12 10:40

Solids: Preparation: 5030B Dilution:

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q, U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	X, U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	Q, U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	Q, 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_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B16015-BLK1
File ID: 0216BL1.D
Sampled:
Prepared:
Analyzed: 02/16/12 10:40
Solids:
Preparation: 5030B
Dilution:
Batch: 2B16015
Sequence: 2B04803
Calibration: 2048001
Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.420	0.250	0.500	1.00	J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	Q, 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
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.42	105	75 - 120	
Dibromofluoromethane	30.00	31.68	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.34	101	70 - 120	
Toluene-d8	30.00	31.17	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B16015-BS1 | File ID: 0216LCS1.D

Sampled: | Prepared: | Analyzed: 02/16/12 09:24

Solids: | Preparation: 5030B | Dilution:

Batch: 2B16015 | Sequence: 2B04803 | Calibration: 2048001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	99.9	2.50	5.00	10.0	
71-43-2	Benzene	52.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	54.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.4	0.250	0.500	1.00	
75-25-2	Bromoform	56.3	0.250	0.500	1.00	
74-83-9	Bromomethane	53.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.9	0.250	0.500	1.00	
78-93-3	2-Butanone	111	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	52.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	52.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.6	0.250	0.500	1.00	
75-00-3	Chloroethane	54.4	0.500	1.00	2.00	
67-66-3	Chloroform	51.5	0.250	0.500	1.00	
74-87-3	Chloromethane	49.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	53.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	59.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	54.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	53.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.2	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	54.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	55.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	55.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	50.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	54.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	60.8	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B16015-BS1
File ID: 0216LCS1.D
Sampled:
Prepared:
Analyzed: 02/16/12 09:24
Solids:
Preparation: 5030B
Dilution:
Batch: 2B16015
Sequence: 2B04803
Calibration: 2048001
Instrument: MS-VOA5

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	51.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	49.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	49.2	0.500	1.00	2.00	
91-20-3	Naphthalene	47.9	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	114	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	55.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.5	0.250	0.500	1.00	
100-42-5	Styrene	54.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	53.2	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	56.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	54.7	0.250	0.500	1.00	
108-88-3	Toluene	54.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	45.9	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	55.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	54.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	57.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.1	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	161	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.50	108	75 - 120	
Dibromofluoromethane	30.00	31.32	104	85 - 115	
1,2-Dichloroethane-d4	30.00	28.54	95.1	70 - 120	
Toluene-d8	30.00	31.16	104	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B16015-BSD1 File ID: 0216LCD1.D

Sampled: Prepared: Analyzed: 02/16/12 18:37

Solids: Preparation: 5030B Dilution:

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	123	2.50	5.00	10.0	
71-43-2	Benzene	51.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.5	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	61.5	0.250	0.500	1.00	
75-25-2	Bromoform	57.3	0.250	0.500	1.00	
74-83-9	Bromomethane	44.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	53.2	0.250	0.500	1.00	
78-93-3	2-Butanone	123	2.50	5.00	10.0	X
135-98-8	sec-Butylbenzene	52.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	71.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.7	0.250	0.500	1.00	
75-00-3	Chloroethane	45.2	0.500	1.00	2.00	
67-66-3	Chloroform	60.5	0.250	0.500	1.00	
74-87-3	Chloromethane	43.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	53.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	53.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	53.4	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	57.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	58.3	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	50.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	55.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	70.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.2	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	52.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	64.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	56.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	60.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	50.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	55.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B16015-BSD1 File ID: 0216LCD1.D

Sampled: Prepared: Analyzed: 02/16/12 18:37

Solids: Preparation: 5030B Dilution:

Batch: 2B16015 Sequence: 2B04803 Calibration: 2048001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	111	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	50.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	47.0	0.500	1.00	2.00	
91-20-3	Naphthalene	36.2	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	126	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	60.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.5	0.250	0.500	1.00	
100-42-5	Styrene	48.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.4	0.250	0.500	1.00	
108-88-3	Toluene	45.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	39.5	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	40.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	49.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	72.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	57.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	71.1	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	58.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	53.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.2	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	154	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.91	110	75 - 120	
Dibromofluoromethane	30.00	34.93	116	85 - 115	
1,2-Dichloroethane-d4	30.00	30.38	101	70 - 120	
Toluene-d8	30.00	27.74	92.5	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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
GW0381	02/03/12 13:19	02/04/12 08:15	02/07/12 00:00	N/A	14.00	02/07/12 14:24	4.00	14.00	
GW0386	02/03/12 10:40	02/04/12 08:15	02/07/12 00:00	N/A	14.00	02/07/12 14:51	4.13	14.00	
GW0402	02/03/12 16:22	02/04/12 08:15	02/07/12 00:00	N/A	14.00	02/07/12 15:17	3.91	14.00	
GW0419	02/02/12 14:44	02/04/12 08:15	02/07/12 00:00	N/A	14.00	02/07/12 15:44	5.00	14.00	
GW0498	02/03/12 12:32	02/04/12 08:15	02/07/12 00:00	N/A	14.00	02/07/12 16:11	4.11	14.00	
GW8042-AB	02/03/12 10:40	02/04/12 08:15	02/07/12 00:00	N/A	14.00	02/07/12 13:57	4.10	14.00	
GW8169-TB	02/03/12 08:00	02/04/12 08:15	02/07/12 00:00	N/A	14.00	02/07/12 13:31	4.19	14.00	
GW0452	02/06/12 11:00	02/07/12 08:30	02/09/12 00:00	N/A	14.00	02/09/12 14:08	3.09	14.00	
GW0489	02/06/12 13:42	02/07/12 08:30	02/09/12 00:00	N/A	14.00	02/09/12 14:35	3.00	14.00	
GW0491	02/06/12 11:13	02/07/12 08:30	02/09/12 00:00	N/A	14.00	02/09/12 15:02	3.12	14.00	
GW0492	02/06/12 11:13	02/07/12 08:30	02/09/12 00:00	N/A	14.00	02/09/12 15:28	3.14	14.00	
GW8170-TB	02/06/12 08:00	02/07/12 08:30	02/09/12 00:00	N/A	14.00	02/09/12 13:42	3.20	14.00	
GW0453	02/06/12 15:40	02/08/12 09:00	02/13/12 00:00	N/A	14.00	02/13/12 13:46	6.88	14.00	
GW0454	02/07/12 11:51	02/08/12 09:00	02/10/12 00:00	N/A	14.00	02/10/12 16:04	3.13	14.00	
GW0483	02/07/12 12:57	02/08/12 09:00	02/10/12 00:00	N/A	14.00	02/10/12 16:31	3.11	14.00	
GW0484	02/07/12 10:37	02/08/12 09:00	02/13/12 00:00	N/A	14.00	02/13/12 11:06	5.98	14.00	
GW0485	02/07/12 10:37	02/08/12 09:00	02/13/12 00:00	N/A	14.00	02/13/12 11:32	6.00	14.00	
GW8171-TB	02/07/12 08:00	02/08/12 09:00	02/10/12 00:00	N/A	14.00	02/10/12 13:24	3.18	14.00	
GW0408	02/08/12 13:36	02/09/12 08:40	02/13/12 00:00	N/A	14.00	02/13/12 11:59	4.89	14.00	
GW0426	02/08/12 12:53	02/09/12 08:40	02/13/12 00:00	N/A	14.00	02/13/12 12:26	4.94	14.00	
GW0427	02/08/12 10:37	02/09/12 08:40	02/13/12 00:00	N/A	14.00	02/13/12 12:52	5.05	14.00	
GW0479	02/07/12 15:44	02/09/12 08:40	02/13/12 00:00	N/A	14.00	02/13/12 14:12	5.89	14.00	
GW0490	02/07/12 16:21	02/09/12 08:40	02/13/12 00:00	N/A	14.00	02/13/12 13:19	5.83	14.00	
GW8041-RB	02/07/12 13:20	02/09/12 08:40	02/10/12 00:00	N/A	14.00	02/10/12 14:17	3.00	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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
GW8172-TB	02/08/12 08:00	02/09/12 08:40	02/10/12 00:00	N/A	14.00	02/10/12 13:51	2.20	14.00	
GW0406	02/09/12 11:22	02/10/12 08:20	02/16/12 00:00	N/A	14.00	02/16/12 13:11	7.03	14.00	
GW0416	02/09/12 13:06	02/10/12 08:20	02/16/12 00:00	N/A	14.00	02/16/12 13:36	6.98	14.00	
GW0417	02/09/12 10:47	02/10/12 08:20	02/16/12 00:00	N/A	14.00	02/16/12 14:01	7.09	14.00	
GW0425	02/08/12 15:13	02/10/12 08:20	02/16/12 00:00	N/A	14.00	02/16/12 14:26	7.93	14.00	
GW0448	02/08/12 16:23	02/10/12 08:20	02/16/12 00:00	N/A	14.00	02/16/12 14:51	7.89	14.00	
GW8173-TB	02/09/12 08:00	02/10/12 08:20	02/16/12 00:00	N/A	14.00	02/16/12 11:30	7.10	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01	File ID:	0203501.D
Sampled:	02/03/12 13:19	Prepared:	02/07/12 12:37	Analyzed:	02/08/12 23:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.39	2.78	5.56	U
208-96-8	Acenaphthylene		1.39	2.78	5.56	U
98-86-2	Acetophenone		1.39	2.78	5.56	U
120-12-7	Anthracene		1.39	2.78	5.56	U
1912-24-9	Atrazine		1.39	2.78	5.56	U
100-52-7	Benzaldehyde		1.39	2.78	5.56	U
92-87-5	Benzidine		13.9	27.8	55.6	X, U
56-55-3	Benzo(a)anthracene		1.39	2.78	5.56	U
50-32-8	Benzo(a)pyrene		1.39	2.78	5.56	U
205-99-2	Benzo(b)fluoranthene		1.39	2.78	5.56	U
191-24-2	Benzo(g,h,i)perylene		1.39	2.78	5.56	X, U
65-85-0	Benzoic acid		13.9	27.8	55.6	U
207-08-9	Benzo(k)fluoranthene		1.39	2.78	5.56	U
92-52-4	1,1-Biphenyl		1.39	2.78	5.56	U
101-55-3	4-Bromophenyl-phenylether		1.39	2.78	5.56	U
85-68-7	Butylbenzylphthalate		1.39	2.78	5.56	U
105-60-2	Caprolactam		1.39	2.78	5.56	Q, U
86-74-8	Carbazole		1.39	2.78	5.56	U
59-50-7	4-Chloro-3-methylphenol		1.39	2.78	5.56	U
106-47-8	4-Chloroaniline		1.39	2.78	5.56	U
111-91-1	Bis(2-chloroethoxy)methane		1.39	2.78	5.56	U
111-44-4	Bis(2-chloroethyl)ether		1.39	2.78	5.56	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.39	2.78	5.56	U
91-58-7	2-Chloronaphthalene		1.39	2.78	5.56	U
95-57-8	2-Chlorophenol		1.39	2.78	5.56	U
7005-72-3	4-Chlorophenyl phenyl ether		1.39	2.78	5.56	X, U
218-01-9	Chrysene		1.39	2.78	5.56	U
53-70-3	Dibenz(a,h)anthracene		1.39	2.78	5.56	X, U
132-64-9	Dibenzofuran		1.39	2.78	5.56	U
84-74-2	Di-n-butylphthalate		1.39	2.78	5.56	U
91-94-1	3,3'-Dichlorobenzidine		1.39	2.78	5.56	U
120-83-2	2,4-Dichlorophenol		1.39	2.78	5.56	U
84-66-2	Diethylphthalate		1.39	2.78	5.56	U
105-67-9	2,4-Dimethylphenol		5.56	11.1	22.2	U
131-11-3	Dimethyl phthalate		1.39	2.78	5.56	U
534-52-1	4,6-Dinitro-2-methylphenol		5.56	11.1	22.2	U
51-28-5	2,4-Dinitrophenol		1.11	27.8	55.6	X, U
121-14-2	2,4-Dinitrotoluene		1.39	2.78	5.56	X, U
606-20-2	2,6-Dinitrotoluene		1.39	2.78	5.56	U
117-84-0	Di-n-octylphthalate		1.39	2.78	5.56	U

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01	File ID:	0203501.D
Sampled:	02/03/12 13:19	Prepared:	02/07/12 12:37	Analyzed:	02/08/12 23:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.39	2.78	5.56	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.39	2.78	5.56	U
206-44-0	Fluoranthene		1.39	2.78	5.56	U
86-73-7	Fluorene		1.39	2.78	5.56	U
118-74-1	Hexachlorobenzene		1.39	2.78	5.56	Q, X, U
87-68-3	Hexachlorobutadiene		1.39	2.78	5.56	X, U
77-47-4	Hexachlorocyclopentadiene		1.39	2.78	5.56	X, U
67-72-1	Hexachloroethane		1.39	2.78	5.56	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.39	2.78	5.56	U
78-59-1	Isophorone		1.39	2.78	5.56	U
90-12-0	1-Methylnaphthalene		1.39	2.78	5.56	U
91-57-6	2-Methylnaphthalene		1.39	2.78	5.56	U
95-48-7	2-Methylphenol		1.39	2.78	5.56	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.39	2.78	5.56	U
91-20-3	Naphthalene		1.39	2.78	5.56	U
100-01-6	4-Nitroaniline		5.56	11.1	22.2	U
99-09-2	3-Nitroaniline		5.56	11.1	22.2	U
88-74-4	2-Nitroaniline		5.56	11.1	22.2	U
98-95-3	Nitrobenzene		1.39	2.78	5.56	U
100-02-7	4-Nitrophenol		5.56	11.1	22.2	U
88-75-5	2-Nitrophenol		1.39	2.78	5.56	U
86-30-6	N-Nitrosodiphenylamine		1.39	2.78	5.56	U
621-64-7	N-Nitroso-di-n-propylamine		1.39	2.78	5.56	U
87-86-5	Pentachlorophenol		5.56	11.1	22.2	U
85-01-8	Phenanthrene		1.39	2.78	5.56	U
108-95-2	Phenol		1.39	2.78	5.56	U
129-00-0	Pyrene		1.39	2.78	5.56	U
88-06-2	2,4,6-Trichlorophenol		1.39	2.78	5.56	U
95-95-4	2,4,5-Trichlorophenol		1.39	2.78	5.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	36.79	66.2	50 - 110	
2-Fluorophenol	111.1	25.15	22.6	20 - 110	
Nitrobenzene-d5	55.56	34.13	61.4	40 - 110	
Phenol-d6	111.1	16.70	15.0	0 - 110	
Terphenyl-d14	55.56	58.25	105	50 - 135	
2,4,6-Tribromophenol	111.1	86.12	77.5	40 - 125	X

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03	File ID:	0203503.D
Sampled:	02/03/12 10:40	Prepared:	02/07/12 12:37	Analyzed:	02/08/12 23:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	X, U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	X, U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	X, U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03	File ID:	0203503.D
Sampled:	02/03/12 10:40	Prepared:	02/07/12 12:37	Analyzed:	02/08/12 23:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	X, U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	25.95	52.9	50 - 110	
2-Fluorophenol	98.04	22.13	22.6	20 - 110	
Nitrobenzene-d5	49.02	25.92	52.9	40 - 110	
Phenol-d6	98.04	13.09	13.3	0 - 110	
Terphenyl-d14	49.02	46.78	95.4	50 - 135	
2,4,6-Tribromophenol	98.04	87.03	88.8	40 - 125	X

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05	File ID:	0203505.D
Sampled:	02/03/12 16:22	Prepared:	02/07/12 12:37	Analyzed:	02/09/12 00:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

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	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	X, U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	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	2.13	1.25	2.50	5.00	Q, J
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	X, 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	X, U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	X, 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

GW0402

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05	File ID:	0203505.D
Sampled:	02/03/12 16:22	Prepared:	02/07/12 12:37	Analyzed:	02/09/12 00:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	Q, X, U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	X, 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
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	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	28.36	56.7	50 - 110	
2-Fluorophenol	100.0	18.49	18.5	20 - 110	*
Nitrobenzene-d5	50.00	27.39	54.8	40 - 110	
Phenol-d6	100.0	11.89	11.9	0 - 110	
Terphenyl-d14	50.00	58.91	118	50 - 135	
2,4,6-Tribromophenol	100.0	94.20	94.2	40 - 125	X

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07	File ID:	0203507.D
Sampled:	02/02/12 14:44	Prepared:	02/07/12 12:37	Analyzed:	02/09/12 00:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

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	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	X, U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	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	X, 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	X, U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	X, 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

GW0419

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07	File ID:	0203507.D
Sampled:	02/02/12 14:44	Prepared:	02/07/12 12:37	Analyzed:	02/09/12 00:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	Q, X, U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	X, 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
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	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	32.55	65.1	50 - 110	
2-Fluorophenol	100.0	27.60	27.6	20 - 110	
Nitrobenzene-d5	50.00	32.64	65.3	40 - 110	
Phenol-d6	100.0	16.08	16.1	0 - 110	
Terphenyl-d14	50.00	56.88	114	50 - 135	
2,4,6-Tribromophenol	100.0	103.3	103	40 - 125	X

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09	File ID:	0203509.D
Sampled:	02/03/12 12:32	Prepared:	02/07/12 12:37	Analyzed:	02/09/12 01:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	X, U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam	1.31	1.23	2.45	4.90	Q, J
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	X, U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	X, U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09	File ID:	0203509.D
Sampled:	02/03/12 12:32	Prepared:	02/07/12 12:37	Analyzed:	02/09/12 01:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.47	1.23	2.45	4.90	J
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	X, U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	22.84	46.6	50 - 110	*
2-Fluorophenol	98.04	18.05	18.4	20 - 110	*
Nitrobenzene-d5	49.02	22.17	45.2	40 - 110	
Phenol-d6	98.04	11.57	11.8	0 - 110	
Terphenyl-d14	49.02	46.87	95.6	50 - 135	
2,4,6-Tribromophenol	98.04	72.31	73.8	40 - 125	X

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01	File ID:	0204301.D
Sampled:	02/06/12 11:00	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 21:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

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	Q, U
98-86-2	Acetophenone		1.17	2.34	4.67	Q, U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	N, Q, 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	N, 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	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	N, 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	Y, U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	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	N, Q, U
218-01-9	Chrysene		1.17	2.34	4.67	N, 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	N, Q, 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	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	N, Q, 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	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	X, N, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	N, Q, X, U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	N, Q, U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01	File ID:	0204301.D
Sampled:	02/06/12 11:00	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 21:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 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	Q, U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	N, Q, X, U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	N, U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	N, U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	U
91-20-3	Naphthalene		1.17	2.34	4.67	N, U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	N, Q, U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	N, 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	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	N, X, 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	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	33.33	71.3	50 - 110	
2-Fluorophenol	93.46	20.51	21.9	20 - 110	
Nitrobenzene-d5	46.73	31.70	67.8	40 - 110	
Phenol-d6	93.46	12.01	12.8	0 - 110	
Terphenyl-d14	46.73	54.94	118	50 - 135	
2,4,6-Tribromophenol	93.46	94.94	102	40 - 125	X

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03	File ID:	0204303.D
Sampled:	02/06/12 13:42	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 17:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	2.19	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03	File ID:	0204303.D
Sampled:	02/06/12 13:42	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 17:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	41.02	83.7	50 - 110	
2-Fluorophenol	98.04	27.81	28.4	20 - 110	
Nitrobenzene-d5	49.02	37.90	77.3	40 - 110	
Phenol-d6	98.04	15.97	16.3	0 - 110	
Terphenyl-d14	49.02	42.11	85.9	50 - 135	
2,4,6-Tribromophenol	98.04	98.29	100	40 - 125	X

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05	File ID:	0204305.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 17:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	2.61	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05	File ID:	0204305.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 17:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	42.27	86.2	50 - 110	
2-Fluorophenol	98.04	25.87	26.4	20 - 110	
Nitrobenzene-d5	49.02	36.06	73.6	40 - 110	
Phenol-d6	98.04	14.88	15.2	0 - 110	
Terphenyl-d14	49.02	34.20	69.8	50 - 135	
2,4,6-Tribromophenol	98.04	75.86	77.4	40 - 125	X

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07	File ID:	0204307.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 18:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	2.49	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07	File ID:	0204307.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 18:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	42.39	86.5	50 - 110	
2-Fluorophenol	98.04	29.53	30.1	20 - 110	
Nitrobenzene-d5	49.02	36.38	74.2	40 - 110	
Phenol-d6	98.04	16.38	16.7	0 - 110	
Terphenyl-d14	49.02	48.37	98.7	50 - 135	
2,4,6-Tribromophenol	98.04	94.60	96.5	40 - 125	X

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01	File ID:	0205401.D
Sampled:	02/06/12 15:40	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	2.02	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01	File ID:	0205401.D
Sampled:	02/06/12 15:40	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.57	76.6	50 - 110	
2-Fluorophenol	98.04	24.13	24.6	20 - 110	
Nitrobenzene-d5	49.02	33.46	68.2	40 - 110	
Phenol-d6	98.04	13.82	14.1	0 - 110	
Terphenyl-d14	49.02	34.26	69.9	50 - 135	
2,4,6-Tribromophenol	98.04	75.99	77.5	40 - 125	X

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03	File ID:	0205403.D
Sampled:	02/07/12 11:51	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	1.74	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03	File ID:	0205403.D
Sampled:	02/07/12 11:51	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 19:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	40.64	82.9	50 - 110	
2-Fluorophenol	98.04	29.83	30.4	20 - 110	
Nitrobenzene-d5	49.02	37.61	76.7	40 - 110	
Phenol-d6	98.04	17.08	17.4	0 - 110	
Terphenyl-d14	49.02	45.00	91.8	50 - 135	
2,4,6-Tribromophenol	98.04	101.9	104	40 - 125	X

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05	File ID:	0205405.D
Sampled:	02/07/12 12:57	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 19:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	2.49	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05	File ID:	0205405.D
Sampled:	02/07/12 12:57	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 19:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	35.99	73.4	50 - 110	
2-Fluorophenol	98.04	24.16	24.6	20 - 110	
Nitrobenzene-d5	49.02	31.92	65.1	40 - 110	
Phenol-d6	98.04	13.23	13.5	0 - 110	
Terphenyl-d14	49.02	42.08	85.8	50 - 135	
2,4,6-Tribromophenol	98.04	76.84	78.4	40 - 125	X

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07	File ID:	0205407.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 20:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	2.67	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07	File ID:	0205407.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 20:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.74	75.0	50 - 110	
2-Fluorophenol	98.04	22.71	23.2	20 - 110	
Nitrobenzene-d5	49.02	30.79	62.8	40 - 110	
Phenol-d6	98.04	13.08	13.3	0 - 110	
Terphenyl-d14	49.02	42.39	86.5	50 - 135	
2,4,6-Tribromophenol	98.04	87.91	89.7	40 - 125	X

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09	File ID:	0205409.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	Q, U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	Q, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	Q, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	4.55	1.23	2.45	4.90	Q, J, B
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	Q, U
218-01-9	Chrysene		1.23	2.45	4.90	Q, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	Q, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	Q, U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Q, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09	File ID:	0205409.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 13:27	Analyzed:	02/10/12 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	Q, U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	Q, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	Q, X, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	Q, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	X, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	40.57	82.8	50 - 110	
2-Fluorophenol	98.04	27.05	27.6	20 - 110	
Nitrobenzene-d5	49.02	34.51	70.4	40 - 110	
Phenol-d6	98.04	16.05	16.4	0 - 110	
Terphenyl-d14	49.02	50.99	104	50 - 135	
2,4,6-Tribromophenol	98.04	102.4	104	40 - 125	X

ANALYSIS DATA SHEET

GW0408

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01	File ID:	0206901.D
Sampled:	02/08/12 13:36	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 14:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

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	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	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		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, 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

GW0408

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01	File ID:	0206901.D
Sampled:	02/08/12 13:36	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 14:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate	4.46	1.25	2.50	5.00	J
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	Y, U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	Y, 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	38.85	77.7	50 - 110	
2-Fluorophenol	100.0	29.67	29.7	20 - 110	
Nitrobenzene-d5	50.00	32.61	65.2	40 - 110	Y
Phenol-d6	100.0	17.05	17.0	0 - 110	Y
Terphenyl-d14	50.00	50.77	102	50 - 135	
2,4,6-Tribromophenol	100.0	108.9	109	40 - 125	X

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03	File ID:	0206903.D
Sampled:	02/08/12 12:53	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 15:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

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	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	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		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, 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

GW0426

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03	File ID:	0206903.D
Sampled:	02/08/12 12:53	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 15:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	Y, U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	Y, U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	34.13	68.3	50 - 110	
2-Fluorophenol	100.0	29.95	30.0	20 - 110	
Nitrobenzene-d5	50.00	29.59	59.2	40 - 110	Y
Phenol-d6	100.0	16.63	16.6	0 - 110	Y
Terphenyl-d14	50.00	46.89	93.8	50 - 135	
2,4,6-Tribromophenol	100.0	98.09	98.1	40 - 125	X

ANALYSIS DATA SHEET

GW0427

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05	File ID:	0206905.D
Sampled:	02/08/12 10:37	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 15:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

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	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	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		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, 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

GW0427

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05	File ID:	0206905.D
Sampled:	02/08/12 10:37	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 15:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	Y, U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	Y, 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	25.79	51.6	50 - 110	
2-Fluorophenol	100.0	20.40	20.4	20 - 110	
Nitrobenzene-d5	50.00	22.39	44.8	40 - 110	Y
Phenol-d6	100.0	11.42	11.4	0 - 110	Y
Terphenyl-d14	50.00	28.55	57.1	50 - 135	
2,4,6-Tribromophenol	100.0	70.09	70.1	40 - 125	X

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07	File ID:	0206907.D
Sampled:	02/07/12 15:44	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 16:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

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	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	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		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, 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

GW0479

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07	File ID:	0206907.D
Sampled:	02/07/12 15:44	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 16:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol	23.7	1.25	2.50	5.00	
91-20-3	Naphthalene		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	Y, U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	Y, 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	31.29	62.6	50 - 110	
2-Fluorophenol	100.0	23.90	23.9	20 - 110	
Nitrobenzene-d5	50.00	33.93	67.9	40 - 110	Y
Phenol-d6	100.0	15.43	15.4	0 - 110	Y
Terphenyl-d14	50.00	27.02	54.0	50 - 135	
2,4,6-Tribromophenol	100.0	85.18	85.2	40 - 125	X

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09	File ID:	0206909.D
Sampled:	02/07/12 16:21	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 16:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

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	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	N, 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	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		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, 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

GW0490

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09	File ID:	0206909.D
Sampled:	02/07/12 16:21	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 16:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	Y, U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	Y, 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	41.18	82.4	50 - 110	
2-Fluorophenol	100.0	31.10	31.1	20 - 110	
Nitrobenzene-d5	50.00	36.24	72.5	40 - 110	Y
Phenol-d6	100.0	18.93	18.9	0 - 110	Y
Terphenyl-d14	50.00	40.73	81.5	50 - 135	
2,4,6-Tribromophenol	100.0	99.33	99.3	40 - 125	X

ANALYSIS DATA SHEET

GW8041-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-11	File ID:	0206911.D
Sampled:	02/07/12 13:20	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 18:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

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	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	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		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, 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

GW8041-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-11	File ID:	0206911.D
Sampled:	02/07/12 13:20	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 18:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate	13.5	1.25	2.50	5.00	
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	Y, U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	Y, 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	35.24	70.5	50 - 110	
2-Fluorophenol	100.0	27.89	27.9	20 - 110	
Nitrobenzene-d5	50.00	30.98	62.0	40 - 110	Y
Phenol-d6	100.0	15.65	15.6	0 - 110	Y
Terphenyl-d14	50.00	36.90	73.8	50 - 135	
2,4,6-Tribromophenol	100.0	87.34	87.3	40 - 125	X

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01	File ID:	0208001.D
Sampled:	02/09/12 11:22	Prepared:	02/14/12 15:00	Analyzed:	02/18/12 21:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01	File ID:	0208001.D
Sampled:	02/09/12 11:22	Prepared:	02/14/12 15:00	Analyzed:	02/18/12 21:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	Y, U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	43.08	87.9	50 - 110	
2-Fluorophenol	98.04	37.04	37.8	20 - 110	
Nitrobenzene-d5	49.02	44.09	89.9	40 - 110	
Phenol-d6	98.04	19.70	20.1	0 - 110	
Terphenyl-d14	49.02	55.57	113	50 - 135	X
2,4,6-Tribromophenol	98.04	87.86	89.6	40 - 125	

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03	File ID:	0208003.D
Sampled:	02/09/12 13:06	Prepared:	02/14/12 15:00	Analyzed:	02/18/12 22:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03	File ID:	0208003.D
Sampled:	02/09/12 13:06	Prepared:	02/14/12 15:00	Analyzed:	02/18/12 22:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	Y, U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	38.76	79.1	50 - 110	
2-Fluorophenol	98.04	35.19	35.9	20 - 110	
Nitrobenzene-d5	49.02	39.16	79.9	40 - 110	
Phenol-d6	98.04	18.73	19.1	0 - 110	
Terphenyl-d14	49.02	55.25	113	50 - 135	X
2,4,6-Tribromophenol	98.04	84.00	85.7	40 - 125	

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05	File ID:	0208005.D
Sampled:	02/09/12 10:47	Prepared:	02/14/12 15:00	Analyzed:	02/18/12 22:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05	File ID:	0208005.D
Sampled:	02/09/12 10:47	Prepared:	02/14/12 15:00	Analyzed:	02/18/12 22:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	Y, U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	36.04	73.5	50 - 110	
2-Fluorophenol	98.04	34.08	34.8	20 - 110	
Nitrobenzene-d5	49.02	35.82	73.1	40 - 110	
Phenol-d6	98.04	18.80	19.2	0 - 110	
Terphenyl-d14	49.02	52.87	108	50 - 135	X
2,4,6-Tribromophenol	98.04	81.88	83.5	40 - 125	

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07	File ID:	0208007.D
Sampled:	02/08/12 15:13	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 18:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

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	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	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	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07	File ID:	0208007.D
Sampled:	02/08/12 15:13	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 18:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	Y, U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	Y, 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	39.91	84.6	50 - 110	
2-Fluorophenol	94.34	31.04	32.9	20 - 110	
Nitrobenzene-d5	47.17	34.40	72.9	40 - 110	Y
Phenol-d6	94.34	16.94	18.0	0 - 110	Y
Terphenyl-d14	47.17	43.15	91.5	50 - 135	
2,4,6-Tribromophenol	94.34	112.9	120	40 - 125	X

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09	File ID:	0208009.D
Sampled:	02/08/12 16:23	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 19:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	Y, U
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam	4.55	1.23	2.45	4.90	Q, J
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Q, X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09	File ID:	0208009.D
Sampled:	02/08/12 16:23	Prepared:	02/13/12 10:10	Analyzed:	02/14/12 19:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	Y, U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	Y, U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.59	76.7	50 - 110	
2-Fluorophenol	98.04	29.70	30.3	20 - 110	
Nitrobenzene-d5	49.02	33.58	68.5	40 - 110	Y
Phenol-d6	98.04	16.25	16.6	0 - 110	Y
Terphenyl-d14	49.02	49.88	102	50 - 135	
2,4,6-Tribromophenol	98.04	117.9	120	40 - 125	X

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04104	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04104-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/08/12 13:40		
2-Fluorobiphenyl	50.00	106	80 - 120	8.555	8.555	0.0000	+/-0.500	
2-Fluorophenol	100.0	95.0	80 - 120	3.94	3.94	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	93.5	80 - 120	6.255	6.255	0.0000	+/-0.500	
Phenol-d6	100.0	90.3	80 - 120	5.125	5.125	0.0000	+/-0.500	
Terphenyl-d14	50.00	111	80 - 120	13.203	13.203	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	139	80 - 120	10.358	10.358	0.0000	+/-0.500	*
Blank (2B07004-BLK1) ug/L				Lab File ID: B07004B1.D		Analyzed: 02/08/12 14:10		
2-Fluorobiphenyl	50.00	77.8	50 - 110	8.553	8.555	-0.0020	+/-0.500	
2-Fluorophenol	100.0	34.5	20 - 110	3.932	3.94	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	70.2	40 - 110	6.251	6.255	-0.0040	+/-0.500	
Phenol-d6	100.0	18.6	0 - 110	5.096	5.125	-0.0290	+/-0.500	
Terphenyl-d14	50.00	115	50 - 135	13.209	13.203	0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	111	40 - 125	10.351	10.358	-0.0070	+/-0.500	
LCS (2B07004-BS1) ug/L				Lab File ID: B07004L1.D		Analyzed: 02/08/12 14:41		
2-Fluorobiphenyl	50.00	77.5	50 - 110	8.559	8.555	0.0040	+/-0.500	
2-Fluorophenol	100.0	32.7	20 - 110	3.933	3.94	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	67.1	40 - 110	6.267	6.255	0.0120	+/-0.500	
Phenol-d6	100.0	18.8	0 - 110	5.118	5.125	-0.0070	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	13.206	13.203	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	100	40 - 125	10.358	10.358	0.0000	+/-0.500	
GW0381 (1202035-01) ug/L				Lab File ID: 0203501.D		Analyzed: 02/08/12 23:14		
2-Fluorobiphenyl	55.56	66.2	50 - 110	8.546	8.555	-0.0090	+/-0.500	
2-Fluorophenol	111.1	22.6	20 - 110	3.923	3.94	-0.0170	+/-0.500	
Nitrobenzene-d5	55.56	61.4	40 - 110	6.244	6.255	-0.0110	+/-0.500	
Phenol-d6	111.1	15.0	0 - 110	5.088	5.125	-0.0370	+/-0.500	
Terphenyl-d14	55.56	105	50 - 135	13.203	13.203	0.0000	+/-0.500	
2,4,6-Tribromophenol	111.1	77.5	40 - 125	10.344	10.358	-0.0140	+/-0.500	
GW0386 (1202035-03) ug/L				Lab File ID: 0203503.D		Analyzed: 02/08/12 23:45		
2-Fluorobiphenyl	49.02	52.9	50 - 110	8.542	8.555	-0.0130	+/-0.500	
2-Fluorophenol	98.04	22.6	20 - 110	3.922	3.94	-0.0180	+/-0.500	
Nitrobenzene-d5	49.02	52.9	40 - 110	6.241	6.255	-0.0140	+/-0.500	
Phenol-d6	98.04	13.3	0 - 110	5.086	5.125	-0.0390	+/-0.500	
Terphenyl-d14	49.02	95.4	50 - 135	13.195	13.203	-0.0080	+/-0.500	
2,4,6-Tribromophenol	98.04	88.8	40 - 125	10.339	10.358	-0.0190	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04104	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0402 (1202035-05) ug/L				Lab File ID: 0203505.D		Analyzed: 02/09/12 00:15		
2-Fluorobiphenyl	50.00	56.7	50 - 110	8.544	8.555	-0.0110	+/-0.500	
2-Fluorophenol	100.0	18.5	20 - 110	3.923	3.94	-0.0170	+/-0.500	*
Nitrobenzene-d5	50.00	54.8	40 - 110	6.247	6.255	-0.0080	+/-0.500	
Phenol-d6	100.0	11.9	0 - 110	5.089	5.125	-0.0360	+/-0.500	
Terphenyl-d14	50.00	118	50 - 135	13.201	13.203	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	94.2	40 - 125	10.339	10.358	-0.0190	+/-0.500	
GW0419 (1202035-07) ug/L				Lab File ID: 0203507.D		Analyzed: 02/09/12 00:46		
2-Fluorobiphenyl	50.00	65.1	50 - 110	8.544	8.555	-0.0110	+/-0.500	
2-Fluorophenol	100.0	27.6	20 - 110	3.934	3.94	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	65.3	40 - 110	6.251	6.255	-0.0040	+/-0.500	
Phenol-d6	100.0	16.1	0 - 110	5.092	5.125	-0.0330	+/-0.500	
Terphenyl-d14	50.00	114	50 - 135	13.203	13.203	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	103	40 - 125	10.345	10.358	-0.0130	+/-0.500	
GW0498 (1202035-09) ug/L				Lab File ID: 0203509.D		Analyzed: 02/09/12 01:16		
2-Fluorobiphenyl	49.02	46.6	50 - 110	8.544	8.555	-0.0110	+/-0.500	*
2-Fluorophenol	98.04	18.4	20 - 110	3.932	3.94	-0.0080	+/-0.500	*
Nitrobenzene-d5	49.02	45.2	40 - 110	6.242	6.255	-0.0130	+/-0.500	
Phenol-d6	98.04	11.8	0 - 110	5.096	5.125	-0.0290	+/-0.500	
Terphenyl-d14	49.02	95.6	50 - 135	13.203	13.203	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	73.8	40 - 125	10.342	10.358	-0.0160	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04202	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04202-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/10/12 13:28		
2-Fluorobiphenyl	50.00	104	80 - 120	8.545	8.545	0.0000	+/-0.500	
2-Fluorophenol	100.0	89.5	80 - 120	3.934	3.934	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	88.3	80 - 120	6.251	6.251	0.0000	+/-0.500	
Phenol-d6	100.0	83.1	80 - 120	5.13	5.13	0.0000	+/-0.500	
Terphenyl-d14	50.00	118	80 - 120	13.195	13.195	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	136	80 - 120	10.35	10.35	0.0000	+/-0.500	*
Blank (2B09015-BLK1) ug/L				Lab File ID: B09015B1.D		Analyzed: 02/10/12 13:58		
2-Fluorobiphenyl	50.00	72.2	50 - 110	8.538	8.545	-0.0070	+/-0.500	
2-Fluorophenol	100.0	17.4	20 - 110	3.924	3.934	-0.0100	+/-0.500	*
Nitrobenzene-d5	50.00	60.2	40 - 110	6.236	6.251	-0.0150	+/-0.500	
Phenol-d6	100.0	12.1	0 - 110	5.089	5.13	-0.0410	+/-0.500	
Terphenyl-d14	50.00	117	50 - 135	13.196	13.195	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	68.5	40 - 125	10.337	10.35	-0.0130	+/-0.500	
LCS (2B09015-BS1) ug/L				Lab File ID: B09015L1.D		Analyzed: 02/10/12 14:29		
2-Fluorobiphenyl	50.00	95.4	50 - 110	8.543	8.545	-0.0020	+/-0.500	
2-Fluorophenol	100.0	23.7	20 - 110	3.925	3.934	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	75.4	40 - 110	6.252	6.251	0.0010	+/-0.500	
Phenol-d6	100.0	16.4	0 - 110	5.101	5.13	-0.0290	+/-0.500	
Terphenyl-d14	50.00	122	50 - 135	13.191	13.195	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	86.3	40 - 125	10.347	10.35	-0.0030	+/-0.500	
GW0489 (1202043-03) ug/L				Lab File ID: 0204303.D		Analyzed: 02/10/12 17:00		
2-Fluorobiphenyl	49.02	83.7	50 - 110	8.537	8.545	-0.0080	+/-0.500	
2-Fluorophenol	98.04	28.4	20 - 110	3.923	3.934	-0.0110	+/-0.500	
Nitrobenzene-d5	49.02	77.3	40 - 110	6.244	6.251	-0.0070	+/-0.500	
Phenol-d6	98.04	16.3	0 - 110	5.088	5.13	-0.0420	+/-0.500	
Terphenyl-d14	49.02	85.9	50 - 135	13.184	13.195	-0.0110	+/-0.500	
2,4,6-Tribromophenol	98.04	100	40 - 125	10.336	10.35	-0.0140	+/-0.500	
GW0491 (1202043-05) ug/L				Lab File ID: 0204305.D		Analyzed: 02/10/12 17:30		
2-Fluorobiphenyl	49.02	86.2	50 - 110	8.535	8.545	-0.0100	+/-0.500	
2-Fluorophenol	98.04	26.4	20 - 110	3.923	3.934	-0.0110	+/-0.500	
Nitrobenzene-d5	49.02	73.6	40 - 110	6.233	6.251	-0.0180	+/-0.500	
Phenol-d6	98.04	15.2	0 - 110	5.087	5.13	-0.0430	+/-0.500	
Terphenyl-d14	49.02	69.8	50 - 135	13.188	13.195	-0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	77.4	40 - 125	10.331	10.35	-0.0190	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04202	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0492 (1202043-07) ug/L				Lab File ID: 0204307.D		Analyzed: 02/10/12 18:00		
2-Fluorobiphenyl	49.02	86.5	50 - 110	8.536	8.545	-0.0090	+/-0.500	
2-Fluorophenol	98.04	30.1	20 - 110	3.923	3.934	-0.0110	+/-0.500	
Nitrobenzene-d5	49.02	74.2	40 - 110	6.234	6.251	-0.0170	+/-0.500	
Phenol-d6	98.04	16.7	0 - 110	5.088	5.13	-0.0420	+/-0.500	
Terphenyl-d14	49.02	98.7	50 - 135	13.191	13.195	-0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	96.5	40 - 125	10.334	10.35	-0.0160	+/-0.500	
GW0453 (1202054-01) ug/L				Lab File ID: 0205401.D		Analyzed: 02/10/12 18:30		
2-Fluorobiphenyl	49.02	76.6	50 - 110	8.536	8.545	-0.0090	+/-0.500	
2-Fluorophenol	98.04	24.6	20 - 110	3.923	3.934	-0.0110	+/-0.500	
Nitrobenzene-d5	49.02	68.2	40 - 110	6.234	6.251	-0.0170	+/-0.500	
Phenol-d6	98.04	14.1	0 - 110	5.088	5.13	-0.0420	+/-0.500	
Terphenyl-d14	49.02	69.9	50 - 135	13.185	13.195	-0.0100	+/-0.500	
2,4,6-Tribromophenol	98.04	77.5	40 - 125	10.334	10.35	-0.0160	+/-0.500	
GW0454 (1202054-03) ug/L				Lab File ID: 0205403.D		Analyzed: 02/10/12 19:00		
2-Fluorobiphenyl	49.02	82.9	50 - 110	8.538	8.545	-0.0070	+/-0.500	
2-Fluorophenol	98.04	30.4	20 - 110	3.925	3.934	-0.0090	+/-0.500	
Nitrobenzene-d5	49.02	76.7	40 - 110	6.243	6.251	-0.0080	+/-0.500	
Phenol-d6	98.04	17.4	0 - 110	5.093	5.13	-0.0370	+/-0.500	
Terphenyl-d14	49.02	91.8	50 - 135	13.187	13.195	-0.0080	+/-0.500	
2,4,6-Tribromophenol	98.04	104	40 - 125	10.337	10.35	-0.0130	+/-0.500	
GW0483 (1202054-05) ug/L				Lab File ID: 0205405.D		Analyzed: 02/10/12 19:30		
2-Fluorobiphenyl	49.02	73.4	50 - 110	8.537	8.545	-0.0080	+/-0.500	
2-Fluorophenol	98.04	24.6	20 - 110	3.923	3.934	-0.0110	+/-0.500	
Nitrobenzene-d5	49.02	65.1	40 - 110	6.234	6.251	-0.0170	+/-0.500	
Phenol-d6	98.04	13.5	0 - 110	5.088	5.13	-0.0420	+/-0.500	
Terphenyl-d14	49.02	85.8	50 - 135	13.184	13.195	-0.0110	+/-0.500	
2,4,6-Tribromophenol	98.04	78.4	40 - 125	10.335	10.35	-0.0150	+/-0.500	
GW0484 (1202054-07) ug/L				Lab File ID: 0205407.D		Analyzed: 02/10/12 20:00		
2-Fluorobiphenyl	49.02	75.0	50 - 110	8.536	8.545	-0.0090	+/-0.500	
2-Fluorophenol	98.04	23.2	20 - 110	3.913	3.934	-0.0210	+/-0.500	
Nitrobenzene-d5	49.02	62.8	40 - 110	6.234	6.251	-0.0170	+/-0.500	
Phenol-d6	98.04	13.3	0 - 110	5.088	5.13	-0.0420	+/-0.500	
Terphenyl-d14	49.02	86.5	50 - 135	13.182	13.195	-0.0130	+/-0.500	
2,4,6-Tribromophenol	98.04	89.7	40 - 125	10.333	10.35	-0.0170	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04202	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0485 (1202054-09) ug/L				Lab File ID: 0205409.D		Analyzed: 02/10/12 20:31		
2-Fluorobiphenyl	49.02	82.8	50 - 110	8.535	8.545	-0.0100	+/-0.500	
2-Fluorophenol	98.04	27.6	20 - 110	3.913	3.934	-0.0210	+/-0.500	
Nitrobenzene-d5	49.02	70.4	40 - 110	6.233	6.251	-0.0180	+/-0.500	
Phenol-d6	98.04	16.4	0 - 110	5.088	5.13	-0.0420	+/-0.500	
Terphenyl-d14	49.02	104	50 - 135	13.19	13.195	-0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	104	40 - 125	10.332	10.35	-0.0180	+/-0.500	
GW0452 (1202043-01) ug/L				Lab File ID: 0204301.D		Analyzed: 02/10/12 21:01		
2-Fluorobiphenyl	46.73	71.3	50 - 110	8.538	8.545	-0.0070	+/-0.500	
2-Fluorophenol	93.46	21.9	20 - 110	3.936	3.934	0.0020	+/-0.500	
Nitrobenzene-d5	46.73	67.8	40 - 110	6.238	6.251	-0.0130	+/-0.500	
Phenol-d6	93.46	12.8	0 - 110	5.106	5.13	-0.0240	+/-0.500	
Terphenyl-d14	46.73	118	50 - 135	13.192	13.195	-0.0030	+/-0.500	
2,4,6-Tribromophenol	93.46	102	40 - 125	10.346	10.35	-0.0040	+/-0.500	
Matrix Spike (2B09015-MS1) ug/L				Lab File ID: 204301M.D		Analyzed: 02/10/12 21:31		
2-Fluorobiphenyl	48.08	85.8	50 - 110	8.547	8.545	0.0020	+/-0.500	
2-Fluorophenol	96.15	23.8	20 - 110	3.937	3.934	0.0030	+/-0.500	
Nitrobenzene-d5	48.08	74.1	40 - 110	6.251	6.251	0.0000	+/-0.500	
Phenol-d6	96.15	14.8	0 - 110	5.117	5.13	-0.0130	+/-0.500	
Terphenyl-d14	48.08	131	50 - 135	13.195	13.195	0.0000	+/-0.500	
2,4,6-Tribromophenol	96.15	101	40 - 125	10.352	10.35	0.0020	+/-0.500	
Matrix Spike Dup (2B09015-MSD1) ug/L				Lab File ID: 204301S.D		Analyzed: 02/10/12 22:01		
2-Fluorobiphenyl	48.08	81.3	50 - 110	8.547	8.545	0.0020	+/-0.500	
2-Fluorophenol	96.15	29.1	20 - 110	3.938	3.934	0.0040	+/-0.500	
Nitrobenzene-d5	48.08	75.4	40 - 110	6.252	6.251	0.0010	+/-0.500	
Phenol-d6	96.15	16.7	0 - 110	5.118	5.13	-0.0120	+/-0.500	
Terphenyl-d14	48.08	117	50 - 135	13.195	13.195	0.0000	+/-0.500	
2,4,6-Tribromophenol	96.15	108	40 - 125	10.351	10.35	0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04613	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04613-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/13/12 14:56		
2-Fluorobiphenyl	50.00	93.8	80 - 120	8.48	8.48	0.0000	+/-0.500	
2-Fluorophenol	100.0	83.4	80 - 120	3.87	3.87	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	74.2	80 - 120	6.186	6.186	0.0000	+/-0.500	*
Phenol-d6	100.0	77.3	80 - 120	5.056	5.056	0.0000	+/-0.500	*
Terphenyl-d14	50.00	98.0	80 - 120	13.116	13.116	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	116	80 - 120	10.281	10.281	0.0000	+/-0.500	
Blank (2B13003-BLK1) ug/L				Lab File ID: B13003B1.D		Analyzed: 02/13/12 16:34		
2-Fluorobiphenyl	50.00	77.6	50 - 110	8.478	8.48	-0.0020	+/-0.500	
2-Fluorophenol	100.0	34.2	20 - 110	3.867	3.87	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	71.4	40 - 110	6.177	6.186	-0.0090	+/-0.500	
Phenol-d6	100.0	20.0	0 - 110	5.031	5.056	-0.0250	+/-0.500	
Terphenyl-d14	50.00	107	50 - 135	13.125	13.116	0.0090	+/-0.500	
2,4,6-Tribromophenol	100.0	94.1	40 - 125	10.276	10.281	-0.0050	+/-0.500	
LCS (2B13003-BS1) ug/L				Lab File ID: B13003L1.D		Analyzed: 02/13/12 17:04		
2-Fluorobiphenyl	50.00	91.4	50 - 110	8.491	8.48	0.0110	+/-0.500	
2-Fluorophenol	100.0	37.9	20 - 110	3.87	3.87	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	75.9	40 - 110	6.192	6.186	0.0060	+/-0.500	
Phenol-d6	100.0	21.1	0 - 110	5.043	5.056	-0.0130	+/-0.500	
Terphenyl-d14	50.00	111	50 - 135	13.12	13.116	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	104	40 - 125	10.29	10.281	0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04614	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04614-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/14/12 12:37		
2-Fluorobiphenyl	50.00	91.9	80 - 120	8.486	8.486	0.0000	+/-0.500	
2-Fluorophenol	100.0	84.5	80 - 120	3.869	3.869	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	75.4	80 - 120	6.193	6.193	0.0000	+/-0.500	*
Phenol-d6	100.0	79.3	80 - 120	5.063	5.063	0.0000	+/-0.500	*
Terphenyl-d14	50.00	105	80 - 120	13.127	13.127	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	124	80 - 120	10.284	10.284	0.0000	+/-0.500	*
GW0408 (1202069-01) ug/L				Lab File ID: 0206901.D		Analyzed: 02/14/12 14:39		
2-Fluorobiphenyl	50.00	77.7	50 - 110	8.482	8.486	-0.0040	+/-0.500	
2-Fluorophenol	100.0	29.7	20 - 110	3.86	3.869	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	65.2	40 - 110	6.179	6.193	-0.0140	+/-0.500	
Phenol-d6	100.0	17.0	0 - 110	5.034	5.063	-0.0290	+/-0.500	
Terphenyl-d14	50.00	102	50 - 135	13.124	13.127	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	109	40 - 125	10.28	10.284	-0.0040	+/-0.500	
GW0426 (1202069-03) ug/L				Lab File ID: 0206903.D		Analyzed: 02/14/12 15:10		
2-Fluorobiphenyl	50.00	68.3	50 - 110	8.48	8.486	-0.0060	+/-0.500	
2-Fluorophenol	100.0	30.0	20 - 110	3.87	3.869	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	59.2	40 - 110	6.179	6.193	-0.0140	+/-0.500	
Phenol-d6	100.0	16.6	0 - 110	5.034	5.063	-0.0290	+/-0.500	
Terphenyl-d14	50.00	93.8	50 - 135	13.119	13.127	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	98.1	40 - 125	10.278	10.284	-0.0060	+/-0.500	
GW0427 (1202069-05) ug/L				Lab File ID: 0206905.D		Analyzed: 02/14/12 15:41		
2-Fluorobiphenyl	50.00	51.6	50 - 110	8.477	8.486	-0.0090	+/-0.500	
2-Fluorophenol	100.0	20.4	20 - 110	3.87	3.869	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	44.8	40 - 110	6.178	6.193	-0.0150	+/-0.500	
Phenol-d6	100.0	11.4	0 - 110	5.024	5.063	-0.0390	+/-0.500	
Terphenyl-d14	50.00	57.1	50 - 135	13.119	13.127	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	70.1	40 - 125	10.273	10.284	-0.0110	+/-0.500	
GW0479 (1202069-07) ug/L				Lab File ID: 0206907.D		Analyzed: 02/14/12 16:11		
2-Fluorobiphenyl	50.00	62.6	50 - 110	8.487	8.486	0.0010	+/-0.500	
2-Fluorophenol	100.0	23.9	20 - 110	3.884	3.869	0.0150	+/-0.500	
Nitrobenzene-d5	50.00	67.9	40 - 110	6.186	6.193	-0.0070	+/-0.500	
Phenol-d6	100.0	15.4	0 - 110	5.064	5.063	0.0010	+/-0.500	
Terphenyl-d14	50.00	54.0	50 - 135	13.112	13.127	-0.0150	+/-0.500	
2,4,6-Tribromophenol	100.0	85.2	40 - 125	10.286	10.284	0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04614	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0490 (1202069-09) ug/L				Lab File ID: 0206909.D		Analyzed: 02/14/12 16:41		
2-Fluorobiphenyl	50.00	82.4	50 - 110	8.48	8.486	-0.0060	+/-0.500	
2-Fluorophenol	100.0	31.1	20 - 110	3.861	3.869	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	72.5	40 - 110	6.18	6.193	-0.0130	+/-0.500	
Phenol-d6	100.0	18.9	0 - 110	5.025	5.063	-0.0380	+/-0.500	
Terphenyl-d14	50.00	81.5	50 - 135	13.122	13.127	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	99.3	40 - 125	10.276	10.284	-0.0080	+/-0.500	
Matrix Spike (2B13003-MS2) ug/L				Lab File ID: 0206909M.D		Analyzed: 02/14/12 17:12		
2-Fluorobiphenyl	49.02	85.0	50 - 110	8.488	8.486	0.0020	+/-0.500	
2-Fluorophenol	98.04	38.2	20 - 110	3.872	3.869	0.0030	+/-0.500	
Nitrobenzene-d5	49.02	69.2	40 - 110	6.185	6.193	-0.0080	+/-0.500	
Phenol-d6	98.04	20.9	0 - 110	5.046	5.063	-0.0170	+/-0.500	
Terphenyl-d14	49.02	95.9	50 - 135	13.12	13.127	-0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	113	40 - 125	10.285	10.284	0.0010	+/-0.500	
Matrix Spike Dup (2B13003-MSD2) ug/L				Lab File ID: 0206909S.D		Analyzed: 02/14/12 17:42		
2-Fluorobiphenyl	49.02	81.9	50 - 110	8.482	8.486	-0.0040	+/-0.500	
2-Fluorophenol	98.04	34.0	20 - 110	3.871	3.869	0.0020	+/-0.500	
Nitrobenzene-d5	49.02	65.3	40 - 110	6.184	6.193	-0.0090	+/-0.500	
Phenol-d6	98.04	18.7	0 - 110	5.045	5.063	-0.0180	+/-0.500	
Terphenyl-d14	49.02	102	50 - 135	13.118	13.127	-0.0090	+/-0.500	
2,4,6-Tribromophenol	98.04	113	40 - 125	10.279	10.284	-0.0050	+/-0.500	
GW8041-RB (1202069-11) ug/L				Lab File ID: 0206911.D		Analyzed: 02/14/12 18:12		
2-Fluorobiphenyl	50.00	70.5	50 - 110	8.482	8.486	-0.0040	+/-0.500	
2-Fluorophenol	100.0	27.9	20 - 110	3.861	3.869	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	62.0	40 - 110	6.18	6.193	-0.0130	+/-0.500	
Phenol-d6	100.0	15.6	0 - 110	5.025	5.063	-0.0380	+/-0.500	
Terphenyl-d14	50.00	73.8	50 - 135	13.112	13.127	-0.0150	+/-0.500	
2,4,6-Tribromophenol	100.0	87.3	40 - 125	10.271	10.284	-0.0130	+/-0.500	
GW0425 (1202080-07) ug/L				Lab File ID: 0208007.D		Analyzed: 02/14/12 18:43		
2-Fluorobiphenyl	47.17	84.6	50 - 110	8.481	8.486	-0.0050	+/-0.500	
2-Fluorophenol	94.34	32.9	20 - 110	3.861	3.869	-0.0080	+/-0.500	
Nitrobenzene-d5	47.17	72.9	40 - 110	6.171	6.193	-0.0220	+/-0.500	
Phenol-d6	94.34	18.0	0 - 110	5.026	5.063	-0.0370	+/-0.500	
Terphenyl-d14	47.17	91.5	50 - 135	13.114	13.127	-0.0130	+/-0.500	
2,4,6-Tribromophenol	94.34	120	40 - 125	10.277	10.284	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04614	Instrument:	MS-BNA1
		Calibration:	2004002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0448 (1202080-09) ug/L				Lab File ID: 0208009.D		Analyzed: 02/14/12 19:13		
2-Fluorobiphenyl	49.02	76.7	50 - 110	8.477	8.486	-0.0090	+/-0.500	
2-Fluorophenol	98.04	30.3	20 - 110	3.862	3.869	-0.0070	+/-0.500	
Nitrobenzene-d5	49.02	68.5	40 - 110	6.177	6.193	-0.0160	+/-0.500	
Phenol-d6	98.04	16.6	0 - 110	5.029	5.063	-0.0340	+/-0.500	
Terphenyl-d14	49.02	102	50 - 135	13.122	13.127	-0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	120	40 - 125	10.276	10.284	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05214	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05214-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 02/18/12 19:57		
2-Fluorobiphenyl	50.00	99.8	80 - 120	8.443	8.443	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.3	80 - 120	3.829	3.829	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	101	80 - 120	6.142	6.142	0.0000	+/-0.500	
Phenol-d6	100.0	96.8	80 - 120	5.013	5.013	0.0000	+/-0.500	
Terphenyl-d14	50.00	121	80 - 120	13.062	13.062	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	101	80 - 120	10.238	10.238	0.0000	+/-0.500	
Blank (2B14006-BLK1) ug/L				Lab File ID: B14006B1.D		Analyzed: 02/18/12 20:58		
2-Fluorobiphenyl	50.00	82.2	50 - 110	8.438	8.443	-0.0050	+/-0.500	
2-Fluorophenol	100.0	39.8	20 - 110	3.82	3.829	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	83.0	40 - 110	6.129	6.142	-0.0130	+/-0.500	
Phenol-d6	100.0	21.2	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	13.067	13.062	0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	85.4	40 - 125	10.224	10.238	-0.0140	+/-0.500	
LCS (2B14006-BS1) ug/L				Lab File ID: B14006L1.D		Analyzed: 02/18/12 21:28		
2-Fluorobiphenyl	50.00	102	50 - 110	8.439	8.443	-0.0040	+/-0.500	
2-Fluorophenol	100.0	45.5	20 - 110	3.822	3.829	-0.0070	+/-0.500	
Nitrobenzene-d5	50.00	96.0	40 - 110	6.146	6.142	0.0040	+/-0.500	
Phenol-d6	100.0	24.1	0 - 110	4.996	5.013	-0.0170	+/-0.500	
Terphenyl-d14	50.00	128	50 - 135	13.064	13.062	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	97.7	40 - 125	10.239	10.238	0.0010	+/-0.500	
GW0406 (1202080-01) ug/L				Lab File ID: 0208001.D		Analyzed: 02/18/12 21:59		
2-Fluorobiphenyl	49.02	87.9	50 - 110	8.431	8.443	-0.0120	+/-0.500	
2-Fluorophenol	98.04	37.8	20 - 110	3.821	3.829	-0.0080	+/-0.500	
Nitrobenzene-d5	49.02	89.9	40 - 110	6.13	6.142	-0.0120	+/-0.500	
Phenol-d6	98.04	20.1	0 - 110	4.985	5.013	-0.0280	+/-0.500	
Terphenyl-d14	49.02	113	50 - 135	13.067	13.062	0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	89.6	40 - 125	10.229	10.238	-0.0090	+/-0.500	
GW0416 (1202080-03) ug/L				Lab File ID: 0208003.D		Analyzed: 02/18/12 22:29		
2-Fluorobiphenyl	49.02	79.1	50 - 110	8.437	8.443	-0.0060	+/-0.500	
2-Fluorophenol	98.04	35.9	20 - 110	3.82	3.829	-0.0090	+/-0.500	
Nitrobenzene-d5	49.02	79.9	40 - 110	6.129	6.142	-0.0130	+/-0.500	
Phenol-d6	98.04	19.1	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	49.02	113	50 - 135	13.067	13.062	0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	85.7	40 - 125	10.223	10.238	-0.0150	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05214	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0417 (1202080-05) ug/L				Lab File ID: 0208005.D		Analyzed: 02/18/12 22:59		
2-Fluorobiphenyl	49.02	73.5	50 - 110	8.437	8.443	-0.0060	+/-0.500	
2-Fluorophenol	98.04	34.8	20 - 110	3.82	3.829	-0.0090	+/-0.500	
Nitrobenzene-d5	49.02	73.1	40 - 110	6.129	6.142	-0.0130	+/-0.500	
Phenol-d6	98.04	19.2	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	49.02	108	50 - 135	13.067	13.062	0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	83.5	40 - 125	10.232	10.238	-0.0060	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07004	Laboratory ID:	2B07004-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	43.70	87.4	45 - 110
Acenaphthylene	50.00	44.71	89.4	50 - 105
Acetophenone	50.00	47.17	94.3	50 - 110
Anthracene	50.00	44.10	88.2	55 - 110
Atrazine	50.00	54.61	109	70 - 115
Benzaldehyde	50.00	45.35	90.7	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	53.66	107	55 - 110
Benzo(a)pyrene	50.00	41.98	84.0	55 - 110
Benzo(b)fluoranthene	50.00	45.83	91.7	45 - 120
Benzo(g,h,i)perylene	50.00	51.10	102	40 - 125
Benzoic acid	100.0	17.49	17.5	0 - 125
Benzo(k)fluoranthene	50.00	37.41	74.8	45 - 125
1,1-Biphenyl	50.00	43.64	87.3	50 - 110
4-Bromophenyl-phenylether	50.00	51.25	102	50 - 115
Butylbenzylphthalate	50.00	56.67	113	45 - 115
Caprolactam	**50.00**	**9.400**	**18.8**	**20 - 110**
Carbazole	50.00	43.68	87.4	50 - 115
4-Chloro-3-methylphenol	100.0	85.45	85.4	45 - 110
4-Chloroaniline	50.00	20.86	41.7	15 - 110
Bis(2-chloroethoxy)methane	50.00	42.11	84.2	45 - 105
Bis(2-chloroethyl)ether	50.00	38.10	76.2	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	41.41	82.8	25 - 130
2-Chloronaphthalene	50.00	35.02	70.0	50 - 105
2-Chlorophenol	100.0	71.60	71.6	35 - 105
4-Chlorophenyl phenyl ether	50.00	51.24	102	50 - 110
Chrysene	50.00	53.06	106	55 - 110
Dibenz(a,h)anthracene	50.00	51.23	102	40 - 125
Dibenzofuran	50.00	47.04	94.1	55 - 105
Di-n-butylphthalate	50.00	47.55	95.1	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07004	Laboratory ID:	2B07004-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	47.46	94.9	20 - 110
2,4-Dichlorophenol	100.0	82.88	82.9	40 - 110
Diethylphthalate	50.00	52.48	105	40 - 120
2,4-Dimethylphenol	100.0	82.78	82.8	30 - 110
Dimethyl phthalate	50.00	56.41	113	25 - 125
4,6-Dinitro-2-methylphenol	100.0	86.84	86.8	40 - 130
2,4-Dinitrophenol	100.0	111.9	112	15 - 140
2,4-Dinitrotoluene	50.00	59.47	119	50 - 120
2,6-Dinitrotoluene	50.00	47.96	95.9	50 - 115
Di-n-octylphthalate	50.00	46.20	92.4	35 - 135
1,2-Diphenylhydrazine	50.00	37.98	76.0	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	55.52	111	40 - 125
Fluoranthene	50.00	46.74	93.5	55 - 115
Fluorene	50.00	47.10	94.2	50 - 110
Hexachlorobenzene	**50.00**	**56.26**	**113**	**50 - 110**
Hexachlorobutadiene	50.00	28.06	56.1	25 - 105
Hexachlorocyclopentadiene	50.00	31.10	62.2	10 - 110
Hexachloroethane	50.00	19.86	39.7	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	47.53	95.1	45 - 125
Isophorone	50.00	35.80	71.6	50 - 110
1-Methylnaphthalene	50.00	36.27	72.5	30 - 115
2-Methylnaphthalene	50.00	37.29	74.6	45 - 105
2-Methylphenol	100.0	55.68	55.7	40 - 110
3-Methylphenol/4-Methylphenol	100.0	52.13	52.1	30 - 110
Naphthalene	50.00	37.31	74.6	40 - 100
4-Nitroaniline	50.00	46.06	92.1	35 - 120
3-Nitroaniline	50.00	29.22	58.4	20 - 125
2-Nitroaniline	50.00	45.70	91.4	50 - 115
Nitrobenzene	50.00	36.72	73.4	30 - 110
4-Nitrophenol	100.0	29.48	29.5	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07004	Laboratory ID:	2B07004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	81.46	81.5	40 - 115
N-Nitrosodiphenylamine	50.00	33.76	67.5	50 - 110
N-Nitroso-di-n-propylamine	50.00	43.38	86.8	35 - 130
Pentachlorophenol	100.0	96.94	96.9	40 - 115
Phenanthrene	50.00	47.10	94.2	50 - 115
Phenol	100.0	20.02	20.0	0 - 115
Pyrene	50.00	53.39	107	50 - 130
2,4,6-Trichlorophenol	100.0	93.87	93.9	50 - 115
2,4,5-Trichlorophenol	100.0	90.39	90.4	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09015	Laboratory ID:	2B09015-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	54.80	110	45 - 110
Acenaphthylene	**50.00**	**56.95**	**114**	**50 - 105**
Acetophenone	**50.00**	**56.40**	**113**	**50 - 110**
Anthracene	50.00	52.68	105	55 - 110
Atrazine	**50.00**	**64.48**	**129**	**70 - 115**
Benzaldehyde	50.00	53.71	107	10 - 180
Benzidine	50.00	13.92	27.8	0 - 200
Benzo(a)anthracene	**50.00**	**66.98**	**134**	**55 - 110**
Benzo(a)pyrene	50.00	51.54	103	55 - 110
Benzo(b)fluoranthene	50.00	58.73	117	45 - 120
Benzo(g,h,i)perylene	50.00	59.89	120	40 - 125
Benzoic acid	100.0	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	51.37	103	45 - 125
1,1-Biphenyl	50.00	51.57	103	50 - 110
4-Bromophenyl-phenylether	**50.00**	**60.16**	**120**	**50 - 115**
Butylbenzylphthalate	**50.00**	**71.71**	**143**	**45 - 115**
Caprolactam	**50.00**	**9.155**	**18.3**	**20 - 110**
Carbazole	50.00	54.92	110	50 - 115
4-Chloro-3-methylphenol	100.0	89.16	89.2	45 - 110
4-Chloroaniline	50.00	47.33	94.7	15 - 110
Bis(2-chloroethoxy)methane	50.00	45.02	90.0	45 - 105
Bis(2-chloroethyl)ether	50.00	43.67	87.3	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	41.57	83.1	25 - 130
2-Chloronaphthalene	50.00	47.95	95.9	50 - 105
2-Chlorophenol	100.0	68.79	68.8	35 - 105
4-Chlorophenyl phenyl ether	**50.00**	**60.47**	**121**	**50 - 110**
Chrysene	**50.00**	**68.06**	**136**	**55 - 110**
Dibenz(a,h)anthracene	50.00	58.17	116	40 - 125
Dibenzofuran	**50.00**	**61.65**	**123**	**55 - 105**
Di-n-butylphthalate	50.00	57.68	115	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09015	Laboratory ID:	2B09015-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**	**59.09**	**118**	**20 - 110**
2,4-Dichlorophenol	100.0	79.90	79.9	40 - 110
Diethylphthalate	**50.00**	**63.14**	**126**	**40 - 120**
2,4-Dimethylphenol	100.0	90.04	90.0	30 - 110
Dimethyl phthalate	**50.00**	**66.44**	**133**	**25 - 125**
4,6-Dinitro-2-methylphenol	100.0	59.02	59.0	40 - 130
2,4-Dinitrophenol	100.0	64.96	65.0	15 - 140
2,4-Dinitrotoluene	**50.00**	**73.65**	**147**	**50 - 120**
2,6-Dinitrotoluene	**50.00**	**59.63**	**119**	**50 - 115**
Di-n-octylphthalate	50.00	64.62	129	35 - 135
1,2-Diphenylhydrazine	50.00	44.81	89.6	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**64.64**	**129**	**40 - 125**
Fluoranthene	50.00	54.15	108	55 - 115
Fluorene	**50.00**	**57.48**	**115**	**50 - 110**
Hexachlorobenzene	**50.00**	**65.45**	**131**	**50 - 110**
Hexachlorobutadiene	50.00	40.20	80.4	25 - 105
Hexachlorocyclopentadiene	50.00	44.83	89.7	10 - 110
Hexachloroethane	50.00	26.57	53.1	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	51.62	103	45 - 125
Isophorone	50.00	42.51	85.0	50 - 110
1-Methylnaphthalene	50.00	48.30	96.6	30 - 115
2-Methylnaphthalene	50.00	47.74	95.5	45 - 105
2-Methylphenol	100.0	57.28	57.3	40 - 110
3-Methylphenol/4-Methylphenol	100.0	51.16	51.2	30 - 110
Naphthalene	50.00	45.82	91.6	40 - 100
4-Nitroaniline	**50.00**	**63.91**	**128**	**35 - 120**
3-Nitroaniline	50.00	51.35	103	20 - 125
2-Nitroaniline	50.00	54.22	108	50 - 115
Nitrobenzene	50.00	43.81	87.6	30 - 110
4-Nitrophenol	100.0	14.88	14.9	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09015	Laboratory ID:	2B09015-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	80.22	80.2	40 - 115
N-Nitrosodiphenylamine	50.00	42.10	84.2	50 - 110
N-Nitroso-di-n-propylamine	50.00	47.39	94.8	35 - 130
Pentachlorophenol	100.0	65.29	65.3	40 - 115
Phenanthrene	50.00	57.56	115	50 - 115
Phenol	100.0	19.04	19.0	0 - 115
Pyrene	50.00	64.83	130	50 - 130
2,4,6-Trichlorophenol	100.0	78.62	78.6	50 - 115
2,4,5-Trichlorophenol	100.0	85.72	85.7	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13003	Laboratory ID:	2B13003-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	43.06	86.1	45 - 110
Acenaphthylene	50.00	46.84	93.7	50 - 105
Acetophenone	50.00	46.07	92.1	50 - 110
Anthracene	50.00	43.91	87.8	55 - 110
Atrazine	50.00	52.41	105	70 - 115
Benzaldehyde	50.00	41.48	83.0	10 - 180
Benzidine	50.00	25.69	51.4	0 - 200
Benzo(a)anthracene	50.00	48.79	97.6	55 - 110
Benzo(a)pyrene	50.00	41.87	83.7	55 - 110
Benzo(b)fluoranthene	50.00	41.72	83.4	45 - 120
Benzo(g,h,i)perylene	50.00	51.78	104	40 - 125
Benzoic acid	98.00	16.23	16.6	0 - 125
Benzo(k)fluoranthene	50.00	40.92	81.8	45 - 125
1,1-Biphenyl	50.00	42.32	84.6	50 - 110
4-Bromophenyl-phenylether	50.00	42.50	85.0	50 - 115
Butylbenzylphthalate	50.00	52.56	105	45 - 115
Caprolactam	**50.00**	**9.329**	**18.7**	**20 - 110**
Carbazole	49.00	47.21	96.4	50 - 115
4-Chloro-3-methylphenol	98.00	80.98	82.6	45 - 110
4-Chloroaniline	49.00	39.37	80.3	15 - 110
Bis(2-chloroethoxy)methane	50.00	40.04	80.1	45 - 105
Bis(2-chloroethyl)ether	50.00	36.82	73.6	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	36.76	73.5	25 - 130
2-Chloronaphthalene	50.00	37.36	74.7	50 - 105
2-Chlorophenol	98.00	72.41	73.9	35 - 105
4-Chlorophenyl phenyl ether	50.00	48.29	96.6	50 - 110
Chrysene	50.00	50.42	101	55 - 110
Dibenz(a,h)anthracene	50.00	48.96	97.9	40 - 125
Dibenzofuran	50.00	47.86	95.7	55 - 105
Di-n-butylphthalate	50.00	47.03	94.1	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13003	Laboratory ID:	2B13003-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	26.31	52.6	20 - 110
2,4-Dichlorophenol	98.00	81.17	82.8	40 - 110
Diethylphthalate	50.00	53.28	107	40 - 120
2,4-Dimethylphenol	98.00	76.22	77.8	30 - 110
Dimethyl phthalate	50.00	55.09	110	25 - 125
4,6-Dinitro-2-methylphenol	98.00	90.22	92.1	40 - 130
2,4-Dinitrophenol	98.00	112.7	115	15 - 140
2,4-Dinitrotoluene	**50.00**	**61.42**	**123**	**50 - 120**
2,6-Dinitrotoluene	50.00	51.15	102	50 - 115
Di-n-octylphthalate	50.00	45.84	91.7	35 - 135
1,2-Diphenylhydrazine	49.00	32.45	66.2	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	49.44	98.9	40 - 125
Fluoranthene	50.00	47.07	94.1	55 - 115
Fluorene	50.00	49.27	98.5	50 - 110
Hexachlorobenzene	50.00	47.78	95.6	50 - 110
Hexachlorobutadiene	50.00	20.38	40.8	25 - 105
Hexachlorocyclopentadiene	50.00	25.14	50.3	10 - 110
Hexachloroethane	**50.00**	**14.33**	**28.7**	**30 - 95**
Indeno(1,2,3-cd)pyrene	50.00	43.55	87.1	45 - 125
Isophorone	50.00	36.47	72.9	50 - 110
1-Methylnaphthalene	50.00	40.13	80.3	30 - 115
2-Methylnaphthalene	50.00	38.12	76.2	45 - 105
2-Methylphenol	98.00	53.97	55.1	40 - 110
3-Methylphenol/4-Methylphenol	98.00	48.12	49.1	30 - 110
Naphthalene	50.00	38.01	76.0	40 - 100
4-Nitroaniline	49.00	57.12	117	35 - 120
3-Nitroaniline	49.00	42.63	87.0	20 - 125
2-Nitroaniline	49.00	42.90	87.5	50 - 115
Nitrobenzene	50.00	35.15	70.3	30 - 110
4-Nitrophenol	98.00	25.84	26.4	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13003	Laboratory ID:	2B13003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	98.00	82.62	84.3	40 - 115
N-Nitrosodiphenylamine	50.00	36.94	73.9	50 - 110
N-Nitroso-di-n-propylamine	50.00	29.02	58.0	35 - 130
Pentachlorophenol	98.00	90.73	92.6	40 - 115
Phenanthrene	50.00	43.10	86.2	50 - 115
Phenol	98.00	21.24	21.7	0 - 115
Pyrene	50.00	48.85	97.7	50 - 130
2,4,6-Trichlorophenol	98.00	85.42	87.2	50 - 115
2,4,5-Trichlorophenol	98.00	91.67	93.5	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14006	Laboratory ID:	2B14006-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	45.27	90.5	45 - 110
Acenaphthylene	50.00	46.92	93.8	50 - 105
Acetophenone	50.00	48.87	97.7	50 - 110
Anthracene	50.00	43.78	87.6	55 - 110
Atrazine	50.00	46.11	92.2	70 - 115
Benzaldehyde	50.00	42.94	85.9	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	46.78	93.6	55 - 110
Benzo(a)pyrene	50.00	45.76	91.5	55 - 110
Benzo(b)fluoranthene	50.00	48.02	96.0	45 - 120
Benzo(g,h,i)perylene	50.00	47.96	95.9	40 - 125
Benzoic acid	98.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	44.22	88.4	45 - 125
1,1-Biphenyl	50.00	41.50	83.0	50 - 110
4-Bromophenyl-phenylether	50.00	47.30	94.6	50 - 115
Butylbenzylphthalate	50.00	52.47	105	45 - 115
Caprolactam	**50.00**	**6.242**	**12.5**	**20 - 110**
Carbazole	49.00	43.73	89.2	50 - 115
4-Chloro-3-methylphenol	98.00	79.51	81.1	45 - 110
4-Chloroaniline	49.00	33.76	68.9	15 - 110
Bis(2-chloroethoxy)methane	50.00	50.51	101	45 - 105
Bis(2-chloroethyl)ether	50.00	46.22	92.4	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	41.40	82.8	25 - 130
2-Chloronaphthalene	50.00	37.90	75.8	50 - 105
2-Chlorophenol	98.00	71.63	73.1	35 - 105
4-Chlorophenyl phenyl ether	50.00	43.98	88.0	50 - 110
Chrysene	50.00	49.69	99.4	55 - 110
Dibenz(a,h)anthracene	50.00	45.93	91.9	40 - 125
Dibenzofuran	50.00	47.25	94.5	55 - 105
Di-n-butylphthalate	50.00	45.35	90.7	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14006	Laboratory ID:	2B14006-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	37.85	75.7	20 - 110
2,4-Dichlorophenol	98.00	82.69	84.4	40 - 110
Diethylphthalate	50.00	45.84	91.7	40 - 120
2,4-Dimethylphenol	98.00	76.06	77.6	30 - 110
Dimethyl phthalate	50.00	54.36	109	25 - 125
4,6-Dinitro-2-methylphenol	98.00	93.44	95.3	40 - 130
2,4-Dinitrophenol	98.00	59.70	60.9	15 - 140
2,4-Dinitrotoluene	50.00	47.16	94.3	50 - 120
2,6-Dinitrotoluene	50.00	46.36	92.7	50 - 115
Di-n-octylphthalate	50.00	46.38	92.8	35 - 135
1,2-Diphenylhydrazine	49.00	53.28	109	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	45.01	90.0	40 - 125
Fluoranthene	50.00	40.00	80.0	55 - 115
Fluorene	50.00	43.76	87.5	50 - 110
Hexachlorobenzene	50.00	43.96	87.9	50 - 110
Hexachlorobutadiene	50.00	35.16	70.3	25 - 105
Hexachlorocyclopentadiene	50.00	47.03	94.1	10 - 110
Hexachloroethane	50.00	28.97	57.9	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	47.04	94.1	45 - 125
Isophorone	50.00	41.49	83.0	50 - 110
1-Methylnaphthalene	50.00	44.46	88.9	30 - 115
2-Methylnaphthalene	50.00	43.67	87.3	45 - 105
2-Methylphenol	98.00	60.44	61.7	40 - 110
3-Methylphenol/4-Methylphenol	98.00	52.80	53.9	30 - 110
Naphthalene	50.00	41.44	82.9	40 - 100
4-Nitroaniline	49.00	49.69	101	35 - 120
3-Nitroaniline	49.00	36.12	73.7	20 - 125
2-Nitroaniline	49.00	49.48	101	50 - 115
Nitrobenzene	50.00	43.21	86.4	30 - 110
4-Nitrophenol	98.00	28.77	29.4	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14006	Laboratory ID:	2B14006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	98.00	87.39	89.2	40 - 115
N-Nitrosodiphenylamine	50.00	39.94	79.9	50 - 110
N-Nitroso-di-n-propylamine	50.00	49.70	99.4	35 - 130
Pentachlorophenol	98.00	92.58	94.5	40 - 115
Phenanthrene	50.00	46.66	93.3	50 - 115
Phenol	98.00	25.31	25.8	0 - 115
Pyrene	50.00	57.90	116	50 - 130
2,4,6-Trichlorophenol	98.00	86.90	88.7	50 - 115
2,4,5-Trichlorophenol	98.00	89.99	91.8	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09015

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	48.08	ND	47.47	98.7		45 - 110
Acenaphthylene	48.08	ND	49.17	102		50 - 105
Acetophenone	48.08	ND	48.92	102		50 - 110
Anthracene	48.08	ND	50.29	105		55 - 110
Atrazine	48.08	ND	62.31	130	*	70 - 115
Benzaldehyde	48.08	ND	46.62	97.0		10 - 180
Benzidine	48.08	ND	48.1 U	0		0 - 200
Benzo(a)anthracene	48.08	ND	59.09	123	*	55 - 110
Benzo(a)pyrene	48.08	ND	48.05	99.9		55 - 110
Benzo(b)fluoranthene	48.08	ND	49.09	102		45 - 120
Benzo(g,h,i)perylene	48.08	ND	54.42	113		40 - 125
Benzoic acid	96.15	ND	48.1 U	0		0 - 125
Benzo(k)fluoranthene	48.08	ND	50.59	105		45 - 125
1,1-Biphenyl	48.08	ND	42.30	88.0		50 - 110
4-Bromophenyl-phenylether	48.08	ND	54.51	113		50 - 115
Butylbenzylphthalate	48.08	ND	65.42	136	*	45 - 115
Caprolactam	48.08	ND	7.925	16.5	*	20 - 110
Carbazole	48.08	ND	53.84	112		50 - 115
4-Chloro-3-methylphenol	96.15	ND	85.07	88.5		45 - 110
4-Chloroaniline	48.08	ND	36.86	76.7		15 - 110
Bis(2-chloroethoxy)methane	48.08	ND	45.13	93.9		45 - 105
Bis(2-chloroethyl)ether	48.08	ND	37.73	78.5		35 - 110
2,2'-Oxybis-1-chloropropane	48.08	ND	36.71	76.4		25 - 130
2-Chloronaphthalene	48.08	ND	40.30	83.8		50 - 105
2-Chlorophenol	96.15	ND	62.66	65.2		35 - 105
4-Chlorophenyl phenyl ether	48.08	ND	56.82	118	*	50 - 110
Chrysene	48.08	ND	61.01	127	*	55 - 110
Dibenz(a,h)anthracene	48.08	ND	55.13	115		40 - 125
Dibenzofuran	48.08	ND	52.04	108	*	55 - 105
Di-n-butylphthalate	48.08	ND	53.43	111		55 - 115
3,3'-Dichlorobenzidine	48.08	ND	45.78	95.2		20 - 110
2,4-Dichlorophenol	96.15	ND	76.34	79.4		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09015

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	48.08	ND	59.59	124	*	40 - 120
2,4-Dimethylphenol	96.15	ND	81.68	84.9		30 - 110
Dimethyl phthalate	48.08	ND	58.10	121		25 - 125
4,6-Dinitro-2-methylphenol	96.15	ND	69.96	72.8		40 - 130
2,4-Dinitrophenol	96.15	ND	57.57	59.9		15 - 140
2,4-Dinitrotoluene	48.08	ND	66.12	138	*	50 - 120
2,6-Dinitrotoluene	48.08	ND	56.81	118	*	50 - 115
Di-n-octylphthalate	48.08	ND	47.08	97.9		35 - 135
1,2-Diphenylhydrazine	48.08	ND	42.31	88.0		55 - 115
Bis(2-ethylhexyl)phthalate	48.08	ND	54.66	114		40 - 125
Fluoranthene	48.08	ND	53.29	111		55 - 115
Fluorene	48.08	ND	51.18	106		50 - 110
Hexachlorobenzene	48.08	ND	58.86	122	*	50 - 110
Hexachlorobutadiene	48.08	ND	48.95	102		25 - 105
Hexachlorocyclopentadiene	48.08	ND	45.08	93.8		10 - 110
Hexachloroethane	48.08	ND	30.24	62.9		30 - 95
Indeno(1,2,3-cd)pyrene	48.08	ND	47.97	99.8		45 - 125
Isophorone	48.08	ND	43.50	90.5		50 - 110
1-Methylnaphthalene	48.08	ND	48.66	101		30 - 115
2-Methylnaphthalene	48.08	ND	49.86	104		45 - 105
2-Methylphenol	96.15	ND	45.79	47.6		40 - 110
3-Methylphenol/4-Methylphenol	96.15	ND	37.65	39.2		30 - 110
Naphthalene	48.08	ND	46.01	95.7		40 - 100
4-Nitroaniline	48.08	ND	61.36	128	*	35 - 120
3-Nitroaniline	48.08	ND	39.01	81.1		20 - 125
2-Nitroaniline	48.08	ND	49.03	102		50 - 115
Nitrobenzene	48.08	ND	40.53	84.3		30 - 110
4-Nitrophenol	96.15	ND	16.43	17.1		0 - 125
2-Nitrophenol	96.15	ND	84.47	87.9		40 - 115
N-Nitrosodiphenylamine	48.08	ND	39.97	83.1		50 - 110
N-Nitroso-di-n-propylamine	48.08	ND	39.33	81.8		35 - 130
Pentachlorophenol	96.15	ND	74.45	77.4		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09015

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	48.08	ND	49.28	102		50 - 115
Phenol	96.15	ND	16.43	17.1		0 - 115
Pyrene	48.08	ND	70.26	146	*	50 - 130
2,4,6-Trichlorophenol	96.15	ND	82.15	85.4		50 - 115
2,4,5-Trichlorophenol	96.15	ND	88.46	92.0		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09015

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	48.08	47.04	97.8	0.920		30	45 - 110
Acenaphthylene	48.08	48.90	102	0.543		30	50 - 105
Acetophenone	48.08	49.98	104	2.14		30	50 - 110
Anthracene	48.08	49.25	102	2.11		30	55 - 110
Atrazine	48.08	58.48	122	6.35	*	30	70 - 115
Benzaldehyde	48.08	48.16	100	3.27		30	10 - 180
Benzidine	48.08	48.1 U	0			30	0 - 200
Benzo(a)anthracene	48.08	58.16	121	1.60	*	30	55 - 110
Benzo(a)pyrene	48.08	45.99	95.7	4.39		30	55 - 110
Benzo(b)fluoranthene	48.08	46.71	97.2	4.98		30	45 - 120
Benzo(g,h,i)perylene	48.08	42.02	87.4	25.7		30	40 - 125
Benzoic acid	96.15	12.85	13.4			30	0 - 125
Benzo(k)fluoranthene	48.08	48.89	102	3.43		30	45 - 125
1,1-Biphenyl	48.08	40.67	84.6	3.93		30	50 - 110
4-Bromophenyl-phenylether	48.08	53.27	111	2.30		30	50 - 115
Butylbenzylphthalate	48.08	62.05	129	5.29	*	30	45 - 115
Caprolactam	48.08	8.270	17.2	4.26	*	30	20 - 110
Carbazole	48.08	50.39	105	6.62		30	50 - 115
4-Chloro-3-methylphenol	96.15	88.45	92.0	3.90		30	45 - 110
4-Chloroaniline	48.08	33.68	70.1	9.02		30	15 - 110
Bis(2-chloroethoxy)methane	48.08	45.67	95.0	1.21		30	45 - 105
Bis(2-chloroethyl)ether	48.08	38.91	80.9	3.06		30	35 - 110
2,2'-Oxybis-1-chloropropane	48.08	37.78	78.6	2.87		30	25 - 130
2-Chloronaphthalene	48.08	38.19	79.4	5.38		30	50 - 105
2-Chlorophenol	96.15	72.33	75.2	14.3		30	35 - 105
4-Chlorophenyl phenyl ether	48.08	51.62	107	9.60		30	50 - 110
Chrysene	48.08	58.36	121	4.44	*	30	55 - 110
Dibenz(a,h)anthracene	48.08	41.81	87.0	27.5		30	40 - 125
Dibenzofuran	48.08	50.03	104	3.94		30	55 - 105
Di-n-butylphthalate	48.08	52.76	110	1.26		30	55 - 115
3,3'-Dichlorobenzidine	48.08	41.22	85.7	10.5		30	20 - 110
2,4-Dichlorophenol	96.15	91.16	94.8	17.7		30	40 - 110
Diethylphthalate	48.08	57.02	119	4.41		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09015

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	96.15	83.75	87.1	2.50		30	30 - 110
Dimethyl phthalate	48.08	56.80	118	2.26		30	25 - 125
4,6-Dinitro-2-methylphenol	96.15	81.93	85.2	15.8		30	40 - 130
2,4-Dinitrophenol	96.15	81.97	85.3	35.0	*	30	15 - 140
2,4-Dinitrotoluene	48.08	66.54	138	0.637	*	30	50 - 120
2,6-Dinitrotoluene	48.08	56.54	118	0.467	*	30	50 - 115
Di-n-octylphthalate	48.08	53.04	110	11.9		30	35 - 135
1,2-Diphenylhydrazine	48.08	40.25	83.7	4.99		30	55 - 115
Bis(2-ethylhexyl)phthalate	48.08	54.42	113	0.437		30	40 - 125
Fluoranthene	48.08	50.01	104	6.34		30	55 - 115
Fluorene	48.08	50.40	105	1.54		30	50 - 110
Hexachlorobenzene	48.08	54.77	114	7.21	*	30	50 - 110
Hexachlorobutadiene	48.08	53.53	111	8.96	*	30	25 - 105
Hexachlorocyclopentadiene	48.08	42.77	89.0	5.27		30	10 - 110
Hexachloroethane	48.08	32.96	68.6	8.60		30	30 - 95
Indeno(1,2,3-cd)pyrene	48.08	39.21	81.6	20.1		30	45 - 125
Isophorone	48.08	44.65	92.9	2.61		30	50 - 110
1-Methylnaphthalene	48.08	49.80	104	2.33		30	30 - 115
2-Methylnaphthalene	48.08	51.61	107	3.44	*	30	45 - 105
2-Methylphenol	96.15	48.36	50.3	5.46		30	40 - 110
3-Methylphenol/4-Methylphenol	96.15	40.50	42.1	7.29		30	30 - 110
Naphthalene	48.08	48.52	101	5.30	*	30	40 - 100
4-Nitroaniline	48.08	60.27	125	1.80	*	30	35 - 120
3-Nitroaniline	48.08	36.85	76.6	5.70		30	20 - 125
2-Nitroaniline	48.08	47.50	98.8	3.16		30	50 - 115
Nitrobenzene	48.08	42.08	87.5	3.74		30	30 - 110
4-Nitrophenol	96.15	22.88	23.8	32.8	*	30	0 - 125
2-Nitrophenol	96.15	99.65	104	16.5		30	40 - 115
N-Nitrosodiphenylamine	48.08	37.90	78.8	5.34		30	50 - 110
N-Nitroso-di-n-propylamine	48.08	37.81	78.6	3.95		30	35 - 130
Pentachlorophenol	96.15	87.77	91.3	16.4		30	40 - 115
Phenanthrene	48.08	50.46	105	2.37		30	50 - 115
Phenol	96.15	18.44	19.2	11.5		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09015

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	48.08	61.85	129	12.7		30	50 - 130
2,4,6-Trichlorophenol	96.15	95.23	99.0	14.7		30	50 - 115
2,4,5-Trichlorophenol	96.15	92.82	96.5	4.82		30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13003

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	49.02	ND	39.98	81.5		45 - 110
Acenaphthylene	49.02	ND	40.95	83.5		50 - 105
Acetophenone	49.02	ND	42.54	86.8		50 - 110
Anthracene	49.02	ND	44.55	90.9		55 - 110
Atrazine	49.02	ND	51.56	105		70 - 115
Benzaldehyde	49.02	ND	39.14	79.8		10 - 180
Benzidine	49.02	ND	15.20	31.0		0 - 200
Benzo(a)anthracene	49.02	ND	44.95	91.7		55 - 110
Benzo(a)pyrene	49.02	ND	37.86	77.2		55 - 110
Benzo(b)fluoranthene	49.02	ND	40.15	81.9		45 - 120
Benzo(g,h,i)perylene	49.02	ND	48.18	98.3		40 - 125
Benzoic acid	96.08	ND	17.68	18.4		0 - 125
Benzo(k)fluoranthene	49.02	ND	35.55	72.5		45 - 125
1,1-Biphenyl	49.02	ND	40.63	82.9		50 - 110
4-Bromophenyl-phenylether	49.02	ND	48.18	98.3		50 - 115
Butylbenzylphthalate	49.02	ND	45.26	92.3		45 - 115
Caprolactam	49.02	ND	8.708	17.8	*	20 - 110
Carbazole	48.04	ND	43.89	91.4		50 - 115
4-Chloro-3-methylphenol	96.08	ND	75.74	78.8		45 - 110
4-Chloroaniline	48.04	ND	31.95	66.5		15 - 110
Bis(2-chloroethoxy)methane	49.02	ND	37.82	77.1		45 - 105
Bis(2-chloroethyl)ether	49.02	ND	34.17	69.7		35 - 110
2,2'-Oxybis-1-chloropropane	49.02	ND	37.51	76.5		25 - 130
2-Chloronaphthalene	49.02	ND	36.85	75.2		50 - 105
2-Chlorophenol	96.08	ND	68.25	71.0		35 - 105
4-Chlorophenyl phenyl ether	49.02	ND	49.52	101		50 - 110
Chrysene	49.02	ND	46.04	93.9		55 - 110
Dibenz(a,h)anthracene	49.02	ND	47.21	96.3		40 - 125
Dibenzofuran	49.02	ND	41.85	85.4		55 - 105
Di-n-butylphthalate	49.02	ND	41.54	84.7		55 - 115
3,3'-Dichlorobenzidine	49.02	ND	21.34	43.5		20 - 110
2,4-Dichlorophenol	96.08	ND	80.13	83.4		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13003

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	49.02	ND	46.60	95.1		40 - 120
2,4-Dimethylphenol	96.08	ND	73.01	76.0		30 - 110
Dimethyl phthalate	49.02	ND	49.76	102		25 - 125
4,6-Dinitro-2-methylphenol	96.08	ND	94.01	97.8		40 - 130
2,4-Dinitrophenol	96.08	ND	94.72	98.6		15 - 140
2,4-Dinitrotoluene	49.02	ND	52.13	106		50 - 120
2,6-Dinitrotoluene	49.02	ND	47.51	96.9		50 - 115
Di-n-octylphthalate	49.02	ND	38.84	79.2		35 - 135
1,2-Diphenylhydrazine	48.04	ND	33.65	70.1		55 - 115
Bis(2-ethylhexyl)phthalate	49.02	ND	43.83	89.4		40 - 125
Fluoranthene	49.02	ND	43.90	89.6		55 - 115
Fluorene	49.02	ND	45.26	92.3		50 - 110
Hexachlorobenzene	49.02	ND	50.43	103		50 - 110
Hexachlorobutadiene	49.02	ND	25.77	52.6		25 - 105
Hexachlorocyclopentadiene	49.02	ND	26.05	53.1		10 - 110
Hexachloroethane	49.02	ND	19.33	39.4		30 - 95
Indeno(1,2,3-cd)pyrene	49.02	ND	42.00	85.7		45 - 125
Isophorone	49.02	ND	34.68	70.7		50 - 110
1-Methylnaphthalene	49.02	ND	38.75	79.1		30 - 115
2-Methylnaphthalene	49.02	ND	37.58	76.7		45 - 105
2-Methylphenol	96.08	ND	53.07	55.2		40 - 110
3-Methylphenol/4-Methylphenol	96.08	ND	46.67	48.6		30 - 110
Naphthalene	49.02	ND	38.20	77.9		40 - 100
4-Nitroaniline	48.04	ND	45.64	95.0		35 - 120
3-Nitroaniline	48.04	ND	25.24	52.5		20 - 125
2-Nitroaniline	48.04	ND	40.44	84.2		50 - 115
Nitrobenzene	49.02	ND	33.63	68.6		30 - 110
4-Nitrophenol	96.08	ND	27.06	28.2		0 - 125
2-Nitrophenol	96.08	ND	82.58	85.9		40 - 115
N-Nitrosodiphenylamine	49.02	ND	36.02	73.5		50 - 110
N-Nitroso-di-n-propylamine	49.02	ND	37.13	75.7		35 - 130
Pentachlorophenol	96.08	ND	96.91	101		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13003

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	49.02	ND	42.83	87.4		50 - 115
Phenol	96.08	ND	20.97	21.8		0 - 115
Pyrene	49.02	ND	41.56	84.8		50 - 130
2,4,6-Trichlorophenol	96.08	ND	87.45	91.0		50 - 115
2,4,5-Trichlorophenol	96.08	ND	91.61	95.4		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13003

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.02	41.02	83.7	2.57		30	45 - 110
Acenaphthylene	49.02	41.19	84.0	0.606		30	50 - 105
Acetophenone	49.02	41.86	85.4	1.60		30	50 - 110
Anthracene	49.02	43.49	88.7	2.41		30	55 - 110
Atrazine	49.02	55.54	113	7.42		30	70 - 115
Benzaldehyde	49.02	38.85	79.2	0.747		30	10 - 180
Benzidine	49.02	17.88	36.5	16.2		30	0 - 200
Benzo(a)anthracene	49.02	47.29	96.5	5.07		30	55 - 110
Benzo(a)pyrene	49.02	40.04	81.7	5.59		30	55 - 110
Benzo(b)fluoranthene	49.02	40.30	82.2	0.371		30	45 - 120
Benzo(g,h,i)perylene	49.02	50.40	103	4.49		30	40 - 125
Benzoic acid	96.08	17.32	18.0	2.07		30	0 - 125
Benzo(k)fluoranthene	49.02	39.45	80.5	10.4		30	45 - 125
1,1-Biphenyl	49.02	39.79	81.2	2.09		30	50 - 110
4-Bromophenyl-phenylether	49.02	44.50	90.8	7.94		30	50 - 115
Butylbenzylphthalate	49.02	49.33	101	8.62		30	45 - 115
Caprolactam	49.02	7.367	15.0	16.7	*	30	20 - 110
Carbazole	48.04	46.22	96.2	5.18		30	50 - 115
4-Chloro-3-methylphenol	96.08	73.05	76.0	3.62		30	45 - 110
4-Chloroaniline	48.04	32.80	68.3	2.64		30	15 - 110
Bis(2-chloroethoxy)methane	49.02	35.12	71.6	7.39		30	45 - 105
Bis(2-chloroethyl)ether	49.02	33.28	67.9	2.64		30	35 - 110
2,2'-Oxybis-1-chloropropane	49.02	36.89	75.3	1.67		30	25 - 130
2-Chloronaphthalene	49.02	34.28	69.9	7.23		30	50 - 105
2-Chlorophenol	96.08	65.32	68.0	4.38		30	35 - 105
4-Chlorophenyl phenyl ether	49.02	48.11	98.2	2.89		30	50 - 110
Chrysene	49.02	48.41	98.8	5.01		30	55 - 110
Dibenz(a,h)anthracene	49.02	48.77	99.5	3.24		30	40 - 125
Dibenzofuran	49.02	43.29	88.3	3.38		30	55 - 105
Di-n-butylphthalate	49.02	47.99	97.9	14.4		30	55 - 115
3,3'-Dichlorobenzidine	49.02	21.26	43.4	0.380		30	20 - 110
2,4-Dichlorophenol	96.08	76.02	79.1	5.27		30	40 - 110
Diethylphthalate	49.02	51.92	106	10.8		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13003

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	96.08	69.65	72.5	4.71		30	30 - 110
Dimethyl phthalate	49.02	49.60	101	0.306		30	25 - 125
4,6-Dinitro-2-methylphenol	96.08	95.52	99.4	1.59		30	40 - 130
2,4-Dinitrophenol	96.08	109.3	114	14.3		30	15 - 140
2,4-Dinitrotoluene	49.02	58.96	120	12.3		30	50 - 120
2,6-Dinitrotoluene	49.02	49.49	101	4.08		30	50 - 115
Di-n-octylphthalate	49.02	42.48	86.7	8.95		30	35 - 135
1,2-Diphenylhydrazine	48.04	33.03	68.8	1.88		30	55 - 115
Bis(2-ethylhexyl)phthalate	49.02	48.24	98.4	9.58		30	40 - 125
Fluoranthene	49.02	48.21	98.3	9.36		30	55 - 115
Fluorene	49.02	46.72	95.3	3.19		30	50 - 110
Hexachlorobenzene	49.02	50.06	102	0.729		30	50 - 110
Hexachlorobutadiene	49.02	22.44	45.8	13.8		30	25 - 105
Hexachlorocyclopentadiene	49.02	22.04	45.0	16.6		30	10 - 110
Hexachloroethane	49.02	18.43	37.6	4.76		30	30 - 95
Indeno(1,2,3-cd)pyrene	49.02	43.10	87.9	2.58		30	45 - 125
Isophorone	49.02	34.34	70.0	0.996		30	50 - 110
1-Methylnaphthalene	49.02	37.32	76.1	3.77		30	30 - 115
2-Methylnaphthalene	49.02	35.87	73.2	4.65		30	45 - 105
2-Methylphenol	96.08	49.17	51.2	7.63		30	40 - 110
3-Methylphenol/4-Methylphenol	96.08	42.19	43.9	10.1		30	30 - 110
Naphthalene	49.02	35.90	73.2	6.20		30	40 - 100
4-Nitroaniline	48.04	50.19	104	9.51		30	35 - 120
3-Nitroaniline	48.04	27.46	57.2	8.42		30	20 - 125
2-Nitroaniline	48.04	40.68	84.7	0.592		30	50 - 115
Nitrobenzene	49.02	32.00	65.3	4.97		30	30 - 110
4-Nitrophenol	96.08	29.36	30.6	8.15		30	0 - 125
2-Nitrophenol	96.08	79.67	82.9	3.59		30	40 - 115
N-Nitrosodiphenylamine	49.02	35.39	72.2	1.75		30	50 - 110
N-Nitroso-di-n-propylamine	49.02	36.30	74.1	2.25		30	35 - 130
Pentachlorophenol	96.08	100.6	105	3.70		30	40 - 115
Phenanthrene	49.02	45.02	91.8	4.99		30	50 - 115
Phenol	96.08	18.22	19.0	14.0		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13003

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	49.02	44.94	91.7	7.82		30	50 - 130
2,4,6-Trichlorophenol	96.08	85.99	89.5	1.68		30	50 - 115
2,4,5-Trichlorophenol	96.08	91.39	95.1	0.242		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B07004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/07/12 12:37	900.00	1.00
GW0386	1202035-03	02/07/12 12:37	1,020.00	1.00
GW0402	1202035-05	02/07/12 12:37	1,000.00	1.00
GW0419	1202035-07	02/07/12 12:37	1,000.00	1.00
GW0498	1202035-09	02/07/12 12:37	1,020.00	1.00
Blank	2B07004-BLK1	02/07/12 12:37	1,000.00	1.00
LCS	2B07004-BS1	02/07/12 12:37	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B09015 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0452	1202043-01	02/09/12 13:27	1,070.00	1.00
GW0489	1202043-03	02/09/12 13:27	1,020.00	1.00
GW0491	1202043-05	02/09/12 13:27	1,020.00	1.00
GW0492	1202043-07	02/09/12 13:27	1,020.00	1.00
GW0453	1202054-01	02/09/12 13:27	1,020.00	1.00
GW0454	1202054-03	02/09/12 13:27	1,020.00	1.00
GW0483	1202054-05	02/09/12 13:27	1,020.00	1.00
GW0484	1202054-07	02/09/12 13:27	1,020.00	1.00
GW0485	1202054-09	02/09/12 13:27	1,020.00	1.00
Blank	2B09015-BLK1	02/09/12 13:27	1,000.00	1.00
LCS	2B09015-BS1	02/09/12 13:27	1,000.00	1.00
GW0452	2B09015-MS1	02/09/12 13:27	1,040.00	1.00
GW0452	2B09015-MSD1	02/09/12 13:27	1,040.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B13003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/13/12 10:10	1,000.00	1.00
GW0426	1202069-03	02/13/12 10:10	1,000.00	1.00
GW0427	1202069-05	02/13/12 10:10	1,000.00	1.00
GW0479	1202069-07	02/13/12 10:10	1,000.00	1.00
GW0490	1202069-09	02/13/12 10:10	1,000.00	1.00
GW8041-RB	1202069-11	02/13/12 10:10	1,000.00	1.00
GW0425	1202080-07	02/13/12 10:10	1,060.00	1.00
GW0448	1202080-09	02/13/12 10:10	1,020.00	1.00
Blank	2B13003-BLK1	02/13/12 10:10	1,000.00	1.00
LCS	2B13003-BS1	02/13/12 10:10	1,000.00	1.00
GW0490	2B13003-MS2	02/13/12 10:10	1,020.00	1.00
GW0490	2B13003-MSD2	02/13/12 10:10	1,020.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B14006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0406	1202080-01	02/14/12 15:00	1,020.00	1.00
GW0416	1202080-03	02/14/12 15:00	1,020.00	1.00
GW0417	1202080-05	02/14/12 15:00	1,020.00	1.00
Blank	2B14006-BLK1	02/14/12 15:00	1,000.00	1.00
LCS	2B14006-BS1	02/14/12 15:00	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	12/30/11
Instrument ID:	MS-BNA1	Injection Time:	15:04
Sequence:	2A00403	Lab Sample ID:	2A00403-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.8	PASS
68	Less than 2% of 69	1.18	PASS
69	Less than 200% of 198	57.4	PASS
70	Less than 2% of 69	0.341	PASS
127	40 - 60% of 198	46.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.66	PASS
275	10 - 30% of 198	18.6	PASS
365	1 - 200% of 198	1.99	PASS
441	0.001 - 100% of 443	75.9	PASS
442	40 - 200% of 198	74	PASS
443	17 - 23% of 442	19.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/03/12
Instrument ID:	MS-BNA1	Injection Time:	12:24
Sequence:	2A00403	Lab Sample ID:	2A00403-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38	PASS
68	Less than 2% of 69	0.977	PASS
69	Less than 200% of 198	51.9	PASS
70	Less than 2% of 69	0.602	PASS
127	40 - 60% of 198	43.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.57	PASS
275	10 - 30% of 198	19.2	PASS
365	1 - 200% of 198	2.04	PASS
441	0.001 - 100% of 443	79.1	PASS
442	40 - 200% of 198	72.1	PASS
443	17 - 23% of 442	19	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/08/12
Instrument ID:	MS-BNA1	Injection Time:	13:16
Sequence:	2B04104	Lab Sample ID:	2B04104-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	48	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	58.8	PASS
70	Less than 2% of 69	0.347	PASS
127	40 - 60% of 198	53.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.21	PASS
275	10 - 30% of 198	18.1	PASS
365	1 - 200% of 198	1.56	PASS
441	0.001 - 100% of 443	71.1	PASS
442	40 - 200% of 198	49.7	PASS
443	17 - 23% of 442	19.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/10/12
Instrument ID:	MS-BNA1	Injection Time:	13:03
Sequence:	2B04202	Lab Sample ID:	2B04202-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	49	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	60.7	PASS
70	Less than 2% of 69	0.301	PASS
127	40 - 60% of 198	51.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.49	PASS
275	10 - 30% of 198	17.4	PASS
365	1 - 200% of 198	1.57	PASS
441	0.001 - 100% of 443	77.4	PASS
442	40 - 200% of 198	44	PASS
443	17 - 23% of 442	20.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/13/12
Instrument ID:	MS-BNA1	Injection Time:	14:33
Sequence:	2B04613	Lab Sample ID:	2B04613-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.3	PASS
68	Less than 2% of 69	0.0793	PASS
69	Less than 200% of 198	46.3	PASS
70	Less than 2% of 69	0.315	PASS
127	40 - 60% of 198	46.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.6	PASS
275	10 - 30% of 198	21	PASS
365	1 - 200% of 198	2.44	PASS
441	0.001 - 100% of 443	80.8	PASS
442	40 - 200% of 198	101	PASS
443	17 - 23% of 442	18.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/14/12
Instrument ID:	MS-BNA1	Injection Time:	12:13
Sequence:	2B04614	Lab Sample ID:	2B04614-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.2	PASS
68	Less than 2% of 69	0.0951	PASS
69	Less than 200% of 198	46.4	PASS
70	Less than 2% of 69	0.437	PASS
127	40 - 60% of 198	46.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.63	PASS
275	10 - 30% of 198	20.8	PASS
365	1 - 200% of 198	2.56	PASS
441	0.001 - 100% of 443	78.2	PASS
442	40 - 200% of 198	104	PASS
443	17 - 23% of 442	19.4	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/17/12
Instrument ID:	MS-BNA1	Injection Time:	14:05
Sequence:	2B04901	Lab Sample ID:	2B04901-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	55.7	PASS
70	Less than 2% of 69	0.367	PASS
127	40 - 60% of 198	48.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.04	PASS
275	10 - 30% of 198	19.4	PASS
365	1 - 200% of 198	1.97	PASS
441	0.001 - 100% of 443	76.4	PASS
442	40 - 200% of 198	65.5	PASS
443	17 - 23% of 442	19.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	02/18/12
Instrument ID:	MS-BNA1	Injection Time:	12:32
Sequence:	2B04901	Lab Sample ID:	2B04901-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	45.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	57.7	PASS
70	Less than 2% of 69	0.488	PASS
127	40 - 60% of 198	50.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.43	PASS
275	10 - 30% of 198	19.7	PASS
365	1 - 200% of 198	1.96	PASS
441	0.001 - 100% of 443	73.9	PASS
442	40 - 200% of 198	64.8	PASS
443	17 - 23% of 442	19.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	02/18/12
Instrument ID:	MS-BNA1	Injection Time:	19:32
Sequence:	2B05214	Lab Sample ID:	2B05214-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	62.7	PASS
70	Less than 2% of 69	0.41	PASS
127	40 - 60% of 198	51.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.75	PASS
275	10 - 30% of 198	18.5	PASS
365	1 - 200% of 198	1.9	PASS
441	0.001 - 100% of 443	77.4	PASS
442	40 - 200% of 198	56.6	PASS
443	17 - 23% of 442	19.3	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00403	Instrument:	MS-BNA1
Calibration:	2004002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2A00403-TUN2	SEQ-TUN1.D	01/03/12 12:24
Initial Cal Check	2A00403-ICV3	SEQ-ICV5.D	01/03/12 14:05
Initial Cal Check	2A00403-ICV4	SEQ-ICV6.D	01/03/12 14:35
MS Tune	2A00403-TUN1	SEQ-TUN1.D	12/30/11 15:04
Cal Standard	2A00403-CAL1	SEQCAL1B.D	12/30/11 19:33
Cal Standard	2A00403-CAL2	SEQCAL2B.D	12/30/11 20:04
Cal Standard	2A00403-CAL3	SEQCAL3B.D	12/30/11 20:34
Cal Standard	2A00403-CAL4	SEQCAL4B.D	12/30/11 21:05
Cal Standard	2A00403-CAL5	SEQCAL5B.D	12/30/11 21:35
Cal Standard	2A00403-CAL6	SEQCAL6B.D	12/30/11 22:06
Cal Standard	2A00403-CAL7	SEQCAL7B.D	12/30/11 22:36
Cal Standard	2A00403-CAL8	SEQCAL8B.D	12/30/11 23:06
Initial Cal Check	2A00403-ICV1	SEQ-ICV1.D	12/30/11 23:37
Initial Cal Check	2A00403-ICV2	SEQ-ICV2.D	12/31/11 00:07

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04104	Instrument:	MS-BNA1
Calibration:	2004002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04104-TUN1	SEQ-TUN1.D	02/08/12 13:16
Calibration Check	2B04104-CCV1	SEQ-CCV1.D	02/08/12 13:40
Blank	2B07004-BLK1	B07004B1.D	02/08/12 14:10
LCS	2B07004-BS1	B07004L1.D	02/08/12 14:41
GW0381	1202035-01	0203501.D	02/08/12 23:14
GW0386	1202035-03	0203503.D	02/08/12 23:45
GW0402	1202035-05	0203505.D	02/09/12 00:15
GW0419	1202035-07	0203507.D	02/09/12 00:46
GW0498	1202035-09	0203509.D	02/09/12 01:16

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04202	Instrument:	MS-BNA1
Calibration:	2004002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04202-TUN1	SEQ-TUN1.D	02/10/12 13:03
Calibration Check	2B04202-CCV1	SEQ-CCV1.D	02/10/12 13:28
Blank	2B09015-BLK1	B09015B1.D	02/10/12 13:58
LCS	2B09015-BS1	B09015L1.D	02/10/12 14:29
GW0489	1202043-03	0204303.D	02/10/12 17:00
GW0491	1202043-05	0204305.D	02/10/12 17:30
GW0492	1202043-07	0204307.D	02/10/12 18:00
GW0453	1202054-01	0205401.D	02/10/12 18:30
GW0454	1202054-03	0205403.D	02/10/12 19:00
GW0483	1202054-05	0205405.D	02/10/12 19:30
GW0484	1202054-07	0205407.D	02/10/12 20:00
GW0485	1202054-09	0205409.D	02/10/12 20:31
GW0452	1202043-01	0204301.D	02/10/12 21:01
GW0452	2B09015-MS1	204301M.D	02/10/12 21:31
GW0452	2B09015-MSD1	204301S.D	02/10/12 22:01

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04613	Instrument:	MS-BNA1
Calibration:	2004002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04613-TUN1	SEQ-TUN1.D	02/13/12 14:33
Calibration Check	2B04613-CCV1	SEQ-CCV1.D	02/13/12 14:56
Blank	2B13003-BLK1	B13003B1.D	02/13/12 16:34
LCS	2B13003-BS1	B13003L1.D	02/13/12 17:04

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04614	Instrument:	MS-BNA1
Calibration:	2004002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04614-TUN1	SEQ-TUN1.D	02/14/12 12:13
Calibration Check	2B04614-CCV1	SEQ-CCV1.D	02/14/12 12:37
GW0408	1202069-01	0206901.D	02/14/12 14:39
GW0426	1202069-03	0206903.D	02/14/12 15:10
GW0427	1202069-05	0206905.D	02/14/12 15:41
GW0479	1202069-07	0206907.D	02/14/12 16:11
GW0490	1202069-09	0206909.D	02/14/12 16:41
GW0490	2B13003-MS2	0206909M.D	02/14/12 17:12
GW0490	2B13003-MSD2	0206909S.D	02/14/12 17:42
GW8041-RB	1202069-11	0206911.D	02/14/12 18:12
GW0425	1202080-07	0208007.D	02/14/12 18:43
GW0448	1202080-09	0208009.D	02/14/12 19:13

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04901	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B04901-TUN1	SEQ-TUN1.D	02/17/12 14:05
Cal Standard	2B04901-CAL1	SEQ-CAL1.D	02/17/12 14:51
Cal Standard	2B04901-CAL2	SEQ-CAL2.D	02/17/12 15:22
Cal Standard	2B04901-CAL3	SEQ-CAL3.D	02/17/12 15:52
Cal Standard	2B04901-CAL4	SEQ-CAL4.D	02/17/12 16:23
Cal Standard	2B04901-CAL5	SEQ-CAL5.D	02/17/12 16:53
Cal Standard	2B04901-CAL6	SEQ-CAL6.D	02/17/12 17:23
Cal Standard	2B04901-CAL7	SEQ-CAL7.D	02/17/12 17:54
Cal Standard	2B04901-CAL8	SEQ-CAL8.D	02/17/12 18:24
Cal Standard	2B04901-CAL9	SEQCAL9.D	02/17/12 18:55
Cal Standard	2B04901-CALA	SEQCALA.D	02/17/12 19:25
Cal Standard	2B04901-CALB	SEQCALB.D	02/17/12 19:56
Cal Standard	2B04901-CALC	SEQCALC.D	02/17/12 20:27
Cal Standard	2B04901-CALD	SEQCALD.D	02/17/12 20:57
Cal Standard	2B04901-CALE	SEQCALE.D	02/17/12 21:28
Cal Standard	2B04901-CALF	SEQCALF.D	02/17/12 21:58
Cal Standard	2B04901-CALG	SEQCALG.D	02/17/12 22:29
Initial Cal Check	2B04901-ICV1	SEQ-ICV1.D	02/17/12 22:59
Initial Cal Check	2B04901-ICV2	SEQ-ICV2.D	02/17/12 23:30
MS Tune	2B04901-TUN2	SEQ-TUN2.D	02/18/12 12:32
Initial Cal Check	2B04901-ICV3	SEQ-ICV5.D	02/18/12 12:56

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05214	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05214-TUN1	SEQ-TUN2.D	02/18/12 19:32
Calibration Check	2B05214-CCV1	SEQ-CCV3.D	02/18/12 19:57
Calibration Check	2B05214-CCV2	SEQ-CCV4.D	02/18/12 20:27
Blank	2B14006-BLK1	B14006B1.D	02/18/12 20:58
LCS	2B14006-BS1	B14006L1.D	02/18/12 21:28
GW0406	1202080-01	0208001.D	02/18/12 21:59
GW0416	1202080-03	0208003.D	02/18/12 22:29
GW0417	1202080-05	0208005.D	02/18/12 22:59

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04104	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04104-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/08/12 13:40			
1,4-Dichlorobenzene-d4	548113	5.475	957868	5.82	57	50 - 200	-0.3450	+/-0.50	
Naphthalene-d8	2056283	7.15	3688764	7.481	56	50 - 200	-0.3310	+/-0.50	
Acenaphthene-d10	946720	9.373	1667134	9.698	57	50 - 200	-0.3250	+/-0.50	
Phenanthrene-d10	1603447	11.159	2560897	11.491	63	50 - 200	-0.3320	+/-0.50	
Chrysene-d12	1184867	14.859	1975219	15.33	60	50 - 200	-0.4710	+/-0.50	
Perylene-d12	969867	17.409	1361705	17.952	71	50 - 200	-0.5430	+/-0.50	
Blank (2B07004-BLK1)			Lab File ID: B07004B1.D			Analyzed: 02/08/12 14:10			
1,4-Dichlorobenzene-d4	633588	5.475	548113	5.475	116	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2426113	7.145	2056283	7.15	118	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1090222	9.369	946720	9.373	115	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1822063	11.155	1603447	11.159	114	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1350719	14.844	1184867	14.859	114	50 - 200	-0.0150	+/-0.50	
Perylene-d12	1191045	17.409	969867	17.409	123	50 - 200	0.0000	+/-0.50	
LCS (2B07004-BS1)			Lab File ID: B07004L1.D			Analyzed: 02/08/12 14:41			
1,4-Dichlorobenzene-d4	781583	5.478	548113	5.475	143	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	3060512	7.154	2056283	7.15	149	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1345574	9.372	946720	9.373	142	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2266314	11.166	1603447	11.159	141	50 - 200	0.0070	+/-0.50	
Chrysene-d12	1525102	14.86	1184867	14.859	129	50 - 200	0.0010	+/-0.50	
Perylene-d12	1373969	17.414	969867	17.409	142	50 - 200	0.0050	+/-0.50	
GW0381 (1202035-01)			Lab File ID: 0203501.D			Analyzed: 02/08/12 23:14			
1,4-Dichlorobenzene-d4	676779	5.467	548113	5.475	123	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2566682	7.138	2056283	7.15	125	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1137096	9.363	946720	9.373	120	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1892002	11.152	1603447	11.159	118	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1343594	14.835	1184867	14.859	113	50 - 200	-0.0240	+/-0.50	
Perylene-d12	1172134	17.4	969867	17.409	121	50 - 200	-0.0090	+/-0.50	
GW0386 (1202035-03)			Lab File ID: 0203503.D			Analyzed: 02/08/12 23:45			
1,4-Dichlorobenzene-d4	582031	5.474	548113	5.475	106	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2209961	7.134	2056283	7.15	107	50 - 200	-0.0160	+/-0.50	
Acenaphthene-d10	988550	9.357	946720	9.373	104	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	1529956	11.146	1603447	11.159	95	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1085712	14.836	1184867	14.859	92	50 - 200	-0.0230	+/-0.50	
Perylene-d12	980794	17.399	969867	17.409	101	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04104	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0402 (1202035-05)			Lab File ID: 0203505.D			Analyzed: 02/09/12 00:15			
1,4-Dichlorobenzene-d4	572817	5.469	548113	5.475	105	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2196238	7.142	2056283	7.15	107	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	969485	9.364	946720	9.373	102	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1596949	11.15	1603447	11.159	100	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1078410	14.842	1184867	14.859	91	50 - 200	-0.0170	+/-0.50	
Perylene-d12	875898	17.395	969867	17.409	90	50 - 200	-0.0140	+/-0.50	
GW0419 (1202035-07)			Lab File ID: 0203507.D			Analyzed: 02/09/12 00:46			
1,4-Dichlorobenzene-d4	593159	5.472	548113	5.475	108	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2284088	7.138	2056283	7.15	111	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1054795	9.366	946720	9.373	111	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1738015	11.148	1603447	11.159	108	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1242859	14.845	1184867	14.859	105	50 - 200	-0.0140	+/-0.50	
Perylene-d12	1034665	17.399	969867	17.409	107	50 - 200	-0.0100	+/-0.50	
GW0498 (1202035-09)			Lab File ID: 0203509.D			Analyzed: 02/09/12 01:16			
1,4-Dichlorobenzene-d4	633870	5.475	548113	5.475	116	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2538096	7.145	2056283	7.15	123	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1154812	9.37	946720	9.373	122	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1805287	11.152	1603447	11.159	113	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1400376	14.844	1184867	14.859	118	50 - 200	-0.0150	+/-0.50	
Perylene-d12	1154087	17.402	969867	17.409	119	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04202	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04202-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/10/12 13:28			
1,4-Dichlorobenzene-d4	999497	5.471	957868	5.82	104	50 - 200	-0.3490	+/-0.50	
Naphthalene-d8	3907185	7.138	3688764	7.481	106	50 - 200	-0.3430	+/-0.50	
Acenaphthene-d10	1652330	9.367	1667134	9.698	99	50 - 200	-0.3310	+/-0.50	
Phenanthrene-d10	2382975	11.156	2560897	11.491	93	50 - 200	-0.3350	+/-0.50	
Chrysene-d12	1401109	14.844	1975219	15.33	71	50 - 200	-0.4860	+/-0.50	
Perylene-d12	1142552	17.394	1361705	17.952	84	50 - 200	-0.5580	+/-0.50	
Blank (2B09015-BLK1)			Lab File ID: B09015B1.D			Analyzed: 02/10/12 13:58			
1,4-Dichlorobenzene-d4	796925	5.468	999497	5.471	80	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	3109367	7.129	3907185	7.138	80	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1346616	9.355	1652330	9.367	81	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	2209457	11.145	2382975	11.156	93	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1375506	14.828	1401109	14.844	98	50 - 200	-0.0160	+/-0.50	
Perylene-d12	942828	17.382	1142552	17.394	83	50 - 200	-0.0120	+/-0.50	
LCS (2B09015-BS1)			Lab File ID: B09015L1.D			Analyzed: 02/10/12 14:29			
1,4-Dichlorobenzene-d4	981314	5.471	999497	5.471	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	3866316	7.14	3907185	7.138	99	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1605217	9.363	1652330	9.367	97	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	2598072	11.149	2382975	11.156	109	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1624230	14.845	1401109	14.844	116	50 - 200	0.0010	+/-0.50	
Perylene-d12	1228756	17.399	1142552	17.394	108	50 - 200	0.0050	+/-0.50	
GW0489 (1202043-03)			Lab File ID: 0204303.D			Analyzed: 02/10/12 17:00			
1,4-Dichlorobenzene-d4	994343	5.467	999497	5.471	99	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	3830557	7.128	3907185	7.138	98	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1528108	9.354	1652330	9.367	92	50 - 200	-0.0130	+/-0.50	
Phenanthrene-d10	2252276	11.143	2382975	11.156	95	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1429741	14.825	1401109	14.844	102	50 - 200	-0.0190	+/-0.50	
Perylene-d12	974323	17.379	1142552	17.394	85	50 - 200	-0.0150	+/-0.50	
GW0491 (1202043-05)			Lab File ID: 0204305.D			Analyzed: 02/10/12 17:30			
1,4-Dichlorobenzene-d4	678858	5.457	999497	5.471	68	50 - 200	-0.0140	+/-0.50	
Naphthalene-d8	2436478	7.127	3907185	7.138	62	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1075708	9.351	1652330	9.367	65	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	1726574	11.138	2382975	11.156	72	50 - 200	-0.0180	+/-0.50	
Chrysene-d12	1155000	14.828	1401109	14.844	82	50 - 200	-0.0160	+/-0.50	
Perylene-d12	965406	17.383	1142552	17.394	84	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04202	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0492 (1202043-07)			Lab File ID: 0204307.D			Analyzed: 02/10/12 18:00			
1,4-Dichlorobenzene-d4	842393	5.467	999497	5.471	84	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	3093815	7.128	3907185	7.138	79	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1302188	9.352	1652330	9.367	79	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	2102052	11.142	2382975	11.156	88	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1350442	14.822	1401109	14.844	96	50 - 200	-0.0220	+/-0.50	
Perylene-d12	1003203	17.386	1142552	17.394	88	50 - 200	-0.0080	+/-0.50	
GW0453 (1202054-01)			Lab File ID: 0205401.D			Analyzed: 02/10/12 18:30			
1,4-Dichlorobenzene-d4	921960	5.457	999497	5.471	92	50 - 200	-0.0140	+/-0.50	
Naphthalene-d8	3398528	7.127	3907185	7.138	87	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1484049	9.352	1652330	9.367	90	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	2360846	11.143	2382975	11.156	99	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1532552	14.828	1401109	14.844	109	50 - 200	-0.0160	+/-0.50	
Perylene-d12	1128237	17.384	1142552	17.394	99	50 - 200	-0.0100	+/-0.50	
GW0454 (1202054-03)			Lab File ID: 0205403.D			Analyzed: 02/10/12 19:00			
1,4-Dichlorobenzene-d4	815221	5.463	999497	5.471	82	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	3163274	7.13	3907185	7.138	81	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1411992	9.351	1652330	9.367	85	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	2279588	11.146	2382975	11.156	96	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1447544	14.831	1401109	14.844	103	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1136073	17.381	1142552	17.394	99	50 - 200	-0.0130	+/-0.50	
GW0483 (1202054-05)			Lab File ID: 0205405.D			Analyzed: 02/10/12 19:30			
1,4-Dichlorobenzene-d4	853425	5.467	999497	5.471	85	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	3157803	7.128	3907185	7.138	81	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1410737	9.353	1652330	9.367	85	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	2325013	11.143	2382975	11.156	98	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	1517055	14.826	1401109	14.844	108	50 - 200	-0.0180	+/-0.50	
Perylene-d12	1209865	17.382	1142552	17.394	106	50 - 200	-0.0120	+/-0.50	
GW0484 (1202054-07)			Lab File ID: 0205407.D			Analyzed: 02/10/12 20:00			
1,4-Dichlorobenzene-d4	790665	5.457	999497	5.471	79	50 - 200	-0.0140	+/-0.50	
Naphthalene-d8	2972995	7.127	3907185	7.138	76	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1276880	9.352	1652330	9.367	77	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	2046747	11.141	2382975	11.156	86	50 - 200	-0.0150	+/-0.50	
Chrysene-d12	1371420	14.824	1401109	14.844	98	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1103452	17.379	1142552	17.394	97	50 - 200	-0.0150	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04202	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0485 (1202054-09)			Lab File ID: 0205409.D			Analyzed: 02/10/12 20:31			
1,4-Dichlorobenzene-d4	557152	5.457	999497	5.471	56	50 - 200	-0.0140	+/-0.50	
Naphthalene-d8	2126055	7.127	3907185	7.138	54	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	966069	9.351	1652330	9.367	58	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	1599450	11.14	2382975	11.156	67	50 - 200	-0.0160	+/-0.50	
Chrysene-d12	988245	14.82	1401109	14.844	71	50 - 200	-0.0240	+/-0.50	
Perylene-d12	672421	17.373	1142552	17.394	59	50 - 200	-0.0210	+/-0.50	
GW0452 (1202043-01)			Lab File ID: 0204301.D			Analyzed: 02/10/12 21:01			
1,4-Dichlorobenzene-d4	1086983	5.467	999497	5.471	109	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	3699283	7.136	3907185	7.138	95	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1830710	9.356	1652330	9.367	111	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	2921368	11.15	2382975	11.156	123	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1732368	14.831	1401109	14.844	124	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1154421	17.387	1142552	17.394	101	50 - 200	-0.0070	+/-0.50	
Matrix Spike (2B09015-MS1)			Lab File ID: 204301M.D			Analyzed: 02/10/12 21:31			
1,4-Dichlorobenzene-d4	991864	5.469	999497	5.471	99	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	3566621	7.141	3907185	7.138	91	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1600838	9.365	1652330	9.367	97	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2615656	11.148	2382975	11.156	110	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1466012	14.844	1401109	14.844	105	50 - 200	0.0000	+/-0.50	
Perylene-d12	1174489	17.389	1142552	17.394	103	50 - 200	-0.0050	+/-0.50	
Matrix Spike Dup (2B09015-MSD1)			Lab File ID: 204301S.D			Analyzed: 02/10/12 22:01			
1,4-Dichlorobenzene-d4	998601	5.47	999497	5.471	100	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	3594734	7.142	3907185	7.138	92	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1716455	9.364	1652330	9.367	104	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2822253	11.151	2382975	11.156	118	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1642815	14.843	1401109	14.844	117	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1167507	17.395	1142552	17.394	102	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04613	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04613-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/13/12 14:56			
1,4-Dichlorobenzene-d4	757632	5.406	957868	5.82	79	50 - 200	-0.4140	+/-0.50	
Naphthalene-d8	2890988	7.074	3688764	7.481	78	50 - 200	-0.4070	+/-0.50	
Acenaphthene-d10	1177382	9.302	1667134	9.698	71	50 - 200	-0.3960	+/-0.50	
Phenanthrene-d10	1917263	11.08	2560897	11.491	75	50 - 200	-0.4110	+/-0.50	
Chrysene-d12	1437540	14.747	1975219	15.33	73	50 - 200	-0.5830	+/-0.50	
Perylene-d12	1344971	17.295	1361705	17.952	99	50 - 200	-0.6570	+/-0.50	
Blank (2B13003-BLK1)			Lab File ID: B13003B1.D			Analyzed: 02/13/12 16:34			
1,4-Dichlorobenzene-d4	793954	5.4	757632	5.406	105	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2992081	7.07	2890988	7.074	103	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1324929	9.294	1177382	9.302	113	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2064793	11.083	1917263	11.08	108	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1663774	14.746	1437540	14.747	116	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1507245	17.291	1344971	17.295	112	50 - 200	-0.0040	+/-0.50	
LCS (2B13003-BS1)			Lab File ID: B13003L1.D			Analyzed: 02/13/12 17:04			
1,4-Dichlorobenzene-d4	798803	5.403	757632	5.406	105	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	3075768	7.079	2890988	7.074	106	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1298767	9.3	1177382	9.302	110	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2281821	11.089	1917263	11.08	119	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1696626	14.755	1437540	14.747	118	50 - 200	0.0080	+/-0.50	
Perylene-d12	1386748	17.298	1344971	17.295	103	50 - 200	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04614	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B04614-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/14/12 12:37			
1,4-Dichlorobenzene-d4	740022	5.404	957868	5.82	77	50 - 200	-0.4160	+/-0.50	
Naphthalene-d8	2845830	7.08	3688764	7.481	77	50 - 200	-0.4010	+/-0.50	
Acenaphthene-d10	1236963	9.306	1667134	9.698	74	50 - 200	-0.3920	+/-0.50	
Phenanthrene-d10	2057090	11.083	2560897	11.491	80	50 - 200	-0.4080	+/-0.50	
Chrysene-d12	1462086	14.759	1975219	15.33	74	50 - 200	-0.5710	+/-0.50	
Perylene-d12	1219207	17.298	1361705	17.952	90	50 - 200	-0.6540	+/-0.50	
GW0408 (1202069-01)			Lab File ID: 0206901.D			Analyzed: 02/14/12 14:39			
1,4-Dichlorobenzene-d4	678989	5.403	740022	5.404	92	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2533911	7.073	2845830	7.08	89	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1139264	9.298	1236963	9.306	92	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1784673	11.08	2057090	11.083	87	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1511954	14.748	1462086	14.759	103	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1343904	17.296	1219207	17.298	110	50 - 200	-0.0020	+/-0.50	
GW0426 (1202069-03)			Lab File ID: 0206903.D			Analyzed: 02/14/12 15:10			
1,4-Dichlorobenzene-d4	728098	5.403	740022	5.404	98	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2749170	7.072	2845830	7.08	97	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1209148	9.296	1236963	9.306	98	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1975453	11.076	2057090	11.083	96	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1591959	14.742	1462086	14.759	109	50 - 200	-0.0170	+/-0.50	
Perylene-d12	1399714	17.289	1219207	17.298	115	50 - 200	-0.0090	+/-0.50	
GW0427 (1202069-05)			Lab File ID: 0206905.D			Analyzed: 02/14/12 15:41			
1,4-Dichlorobenzene-d4	686072	5.402	740022	5.404	93	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2576138	7.07	2845830	7.08	91	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1201841	9.292	1236963	9.306	97	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1912770	11.08	2057090	11.083	93	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1633892	14.75	1462086	14.759	112	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1633049	17.296	1219207	17.298	134	50 - 200	-0.0020	+/-0.50	
GW0479 (1202069-07)			Lab File ID: 0206907.D			Analyzed: 02/14/12 16:11			
1,4-Dichlorobenzene-d4	640851	5.406	740022	5.404	87	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1968207	7.075	2845830	7.08	69	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1077396	9.305	1236963	9.306	87	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1699883	11.08	2057090	11.083	83	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1295559	14.741	1462086	14.759	89	50 - 200	-0.0180	+/-0.50	
Perylene-d12	1224113	17.293	1219207	17.298	100	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04614	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0490 (1202069-09)			Lab File ID: 0206909.D			Analyzed: 02/14/12 16:41			
1,4-Dichlorobenzene-d4	657312	5.404	740022	5.404	89	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2425689	7.073	2845830	7.08	85	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1064442	9.296	1236963	9.306	86	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1780353	11.083	2057090	11.083	87	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1474100	14.744	1462086	14.759	101	50 - 200	-0.0150	+/-0.50	
Perylene-d12	1485309	17.289	1219207	17.298	122	50 - 200	-0.0090	+/-0.50	
Matrix Spike (2B13003-MS2)			Lab File ID: 0206909M.D			Analyzed: 02/14/12 17:12			
1,4-Dichlorobenzene-d4	696525	5.407	740022	5.404	94	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2702722	7.083	2845830	7.08	95	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1158401	9.299	1236963	9.306	94	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1807838	11.083	2057090	11.083	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1383754	14.754	1462086	14.759	95	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1241195	17.296	1219207	17.298	102	50 - 200	-0.0020	+/-0.50	
Matrix Spike Dup (2B13003-MSD2)			Lab File ID: 0206909S.D			Analyzed: 02/14/12 17:42			
1,4-Dichlorobenzene-d4	627798	5.406	740022	5.404	85	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2520558	7.08	2845830	7.08	89	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1074896	9.302	1236963	9.306	87	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1813696	11.089	2057090	11.083	88	50 - 200	0.0060	+/-0.50	
Chrysene-d12	1515969	14.753	1462086	14.759	104	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1307894	17.294	1219207	17.298	107	50 - 200	-0.0040	+/-0.50	
GW8041-RB (1202069-11)			Lab File ID: 0206911.D			Analyzed: 02/14/12 18:12			
1,4-Dichlorobenzene-d4	636014	5.404	740022	5.404	86	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2407741	7.074	2845830	7.08	85	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1077198	9.299	1236963	9.306	87	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1661758	11.079	2057090	11.083	81	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1320634	14.744	1462086	14.759	90	50 - 200	-0.0150	+/-0.50	
Perylene-d12	1221444	17.283	1219207	17.298	100	50 - 200	-0.0150	+/-0.50	
GW0425 (1202080-07)			Lab File ID: 0208007.D			Analyzed: 02/14/12 18:43			
1,4-Dichlorobenzene-d4	603976	5.395	740022	5.404	82	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2287801	7.074	2845830	7.08	80	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	984986	9.297	1236963	9.306	80	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1526456	11.074	2057090	11.083	74	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1260773	14.736	1462086	14.759	86	50 - 200	-0.0230	+/-0.50	
Perylene-d12	949795	17.29	1219207	17.298	78	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04614	Instrument:	MS-BNA1
		Calibration:	2004002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0448 (1202080-09)			Lab File ID: 0208009.D			Analyzed: 02/14/12 19:13			
1,4-Dichlorobenzene-d4	650601	5.398	740022	5.404	88	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2481746	7.073	2845830	7.08	87	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1127315	9.298	1236963	9.306	91	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1722042	11.078	2057090	11.083	84	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1033527	14.735	1462086	14.759	71	50 - 200	-0.0240	+/-0.50	
Perylene-d12	887578	17.281	1219207	17.298	73	50 - 200	-0.0170	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05214	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05214-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 02/18/12 19:57			
1,4-Dichlorobenzene-d4	577033	5.353	562311	5.352	103	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2218893	7.029	2176754	7.028	102	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1013718	9.253	998978	9.253	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1615561	11.037	1676737	11.04	96	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	752774	14.674	1257536	14.687	60	50 - 200	-0.0130	+/-0.50	
Perylene-d12	518370	17.21	991057	17.215	52	50 - 200	-0.0050	+/-0.50	
Calibration Check (2B05214-CCV2)			Lab File ID: SEQ-CCV4.D			Analyzed: 02/18/12 20:27			
1,4-Dichlorobenzene-d4	578907	5.351	577033	5.353	100	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2290428	7.019	2218893	7.029	103	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1035680	9.252	1013718	9.253	102	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1555819	11.027	1615561	11.037	96	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	757257	14.672	752774	14.674	101	50 - 200	-0.0020	+/-0.50	
Perylene-d12	546698	17.201	518370	17.21	105	50 - 200	-0.0090	+/-0.50	
Blank (2B14006-BLK1)			Lab File ID: B14006B1.D			Analyzed: 02/18/12 20:58			
1,4-Dichlorobenzene-d4	635082	5.353	577033	5.353	110	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2443696	7.022	2218893	7.029	110	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1121871	9.253	1013718	9.253	111	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1709665	11.03	1615561	11.037	106	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1052627	14.677	752774	14.674	140	50 - 200	0.0030	+/-0.50	
Perylene-d12	822985	17.209	518370	17.21	159	50 - 200	-0.0010	+/-0.50	
LCS (2B14006-BS1)			Lab File ID: B14006L1.D			Analyzed: 02/18/12 21:28			
1,4-Dichlorobenzene-d4	616170	5.357	577033	5.353	107	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2459800	7.033	2218893	7.029	111	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1076318	9.251	1013718	9.253	106	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1808454	11.047	1615561	11.037	112	50 - 200	0.0100	+/-0.50	
Chrysene-d12	926123	14.687	752774	14.674	123	50 - 200	0.0130	+/-0.50	
Perylene-d12	686654	17.214	518370	17.21	132	50 - 200	0.0040	+/-0.50	
GW0406 (1202080-01)			Lab File ID: 0208001.D			Analyzed: 02/18/12 21:59			
1,4-Dichlorobenzene-d4	631779	5.354	577033	5.353	109	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2389506	7.023	2218893	7.029	108	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1078879	9.247	1013718	9.253	106	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1696049	11.037	1615561	11.037	105	50 - 200	0.0000	+/-0.50	
Chrysene-d12	987102	14.678	752774	14.674	131	50 - 200	0.0040	+/-0.50	
Perylene-d12	748290	17.212	518370	17.21	144	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05214	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0416 (1202080-03)			Lab File ID: 0208003.D			Analyzed: 02/18/12 22:29			
1,4-Dichlorobenzene-d4	517391	5.353	577033	5.353	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1967006	7.021	2218893	7.029	89	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	896291	9.243	1013718	9.253	88	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1315327	11.029	1615561	11.037	81	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	757008	14.667	752774	14.674	101	50 - 200	-0.0070	+/-0.50	
Perylene-d12	636783	17.201	518370	17.21	123	50 - 200	-0.0090	+/-0.50	
GW0417 (1202080-05)			Lab File ID: 0208005.D			Analyzed: 02/18/12 22:59			
1,4-Dichlorobenzene-d4	599630	5.353	577033	5.353	104	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2349877	7.021	2218893	7.029	106	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1043227	9.252	1013718	9.253	103	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1646201	11.029	1615561	11.037	102	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1006088	14.676	752774	14.674	134	50 - 200	0.0020	+/-0.50	
Perylene-d12	761812	17.209	518370	17.21	147	50 - 200	-0.0010	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

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	1.071268	10	1.089489	20	1.179125	40	1.196642	50	1.255395	60	1.203108
Acenaphthylene	5	1.784981	10	1.832789	20	1.980749	40	2.001126	50	2.0294	60	2.047273
Acetophenone	5	1.636672	10	1.65581	20	1.771375	40	1.785398	50	1.75751	60	1.771246
Aniline	5	2.594612	10	2.56743	20	2.718704	40	2.710284	50	2.652674	60	2.586908
Anthracene	5	0.989852	10	0.9681663	20	1.106699	40	1.160875	50	1.217411	60	1.226206
Atrazine	5	0.1719309	10	0.1730819	20	0.1905661	40	0.1886698	50	0.1869391	60	0.1987074
Benzaldehyde	5	1.165489	10	1.125415	20	1.117798	40	1.012492	50	0.9324737	60	0.8760965
Benzidine	5	0.540307	10	0.5990194	20	0.6884007	40	0.7126729	50	0.7076057	60	0.72521
Benzo(a)anthracene	5	0.9769498	10	0.9911297	20	1.074361	40	1.086792	50	1.127223	60	1.117185
Benzo(a)pyrene	5	0.9425629	10	0.9559453	20	1.026732	40	1.11427	50	1.133128	60	1.142578
Benzo(b)fluoranthene	5	1.130482	10	1.107112	20	1.182065	40	1.240831	50	1.427374	60	1.373987
Benzo(g,h,i)perylene	5	0.6725181	10	0.6015658	20	0.6353212	40	0.6972531	50	0.7123594	60	0.7834742
Benzoic acid	5	0.2033657	10	0.2170163	20	0.2328416	40	0.2552584	50	0.2638639	60	0.260665
Benzo(k)fluoranthene	5	1.191909	10	1.199504	20	1.27266	40	1.370261	50	1.250607	60	1.273529
Benzyl alcohol	5	0.9115594	10	0.9552297	20	1.001461	40	0.9892783	50	1.008874	60	1.011057
1,1-Biphenyl	5	1.406802	10	1.414976	20	1.522417	40	1.521564	50	1.473458	60	1.379793
4-Bromophenyl-phenylether	5	0.1877376	10	0.1924024	20	0.2061392	40	0.2073605	50	0.2291511	60	0.2173402
Butylbenzylphthalate	5	0.7102507	10	0.6823461	20	0.7685724	40	0.7380858	50	0.7371777	60	0.7204959
Caprolactam	5	9.543981E-02	10	9.822004E-02	20	0.1100426	40	9.167488E-02	50	8.799201E-02	60	9.245135E-02
Carbazole	5	0.9044466	10	0.8711763	20	0.9984974	40	1.001538	50	1.102071	60	1.075117
4-Chloro-3-methylphenol	5	0.2455713	10	0.2397575	20	0.267994	40	0.274776	50	0.2725152	60	0.2777436
4-Chloroaniline	5	0.4063301	10	0.4074763	20	0.4290172	40	0.431553	50	0.4472664	60	0.4384061
Bis(2-chloroethoxy)methane	5	0.5064866	10	0.4793448	20	0.5098204	40	0.5285692	50	0.5292365	60	0.5320932
Bis(2-chloroethyl)ether	5	1.708872	10	1.71009	20	1.753286	40	1.763942	50	1.770969	60	1.780684
2,2'-Oxybis-1-chloropropane	5	2.293631	10	2.223176	20	2.366522	40	2.394343	50	2.340954	60	2.33003
2-Chloronaphthalene	5	1.141103	10	1.132191	20	1.221344	40	1.18373	50	1.194464	60	1.179508
2-Chlorophenol	5	1.372174	10	1.357634	20	1.426732	40	1.438209	50	1.454363	60	1.45539
4-Chlorophenyl phenyl ether	5	0.5106085	10	0.5263665	20	0.603384	40	0.579074	50	0.5089984	60	0.4825959
Chrysene	5	0.9694926	10	0.9302481	20	0.9958834	40	0.9802959	50	1.029414	60	1.008462
Dibenz(a,h)anthracene	5	0.6475406	10	0.6015193	20	0.661786	40	0.7343955	50	0.7436478	60	0.8560664
Dibenzofuran	5	1.445852	10	1.47876	20	1.579426	40	1.631084	50	1.634658	60	1.702307

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2004002
Instrument: MS-BNA1
Matrix: Water
Calibration Dates: 12/30/11 19:33 12/30/11 23:06

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	1.288686	10	1.25833	20	1.535668	40	1.53647	50	1.549727	60	1.565337
1,4-Dichlorobenzene	5	1.487302	10	1.523171	20	1.585304	40	1.632581	50	1.631179	60	1.690529
1,3-Dichlorobenzene	5	1.497591	10	1.493303	20	1.536682	40	1.563404	50	1.57722	60	1.623305
1,2-Dichlorobenzene	5	1.404935	10	1.380284	20	1.46937	40	1.516411	50	1.508328	60	1.549097
3,3'-Dichlorobenzidine	5	0.3590271	10	0.3660438	20	0.4075339	40	0.4144199	50	0.4098625	60	0.4104774
2,6-Dichlorophenol	5	0.2211737	10	0.2221111	20	0.2424134	40	0.2546647	50	0.2510716	60	0.2493067
2,4-Dichlorophenol	5	0.2382933	10	0.2362189	20	0.2437237	40	0.2536942	50	0.2594614	60	0.2699867
Diethylphthalate	5	1.142512	10	1.194512	20	1.314235	40	1.382796	50	1.348636	60	1.391273
2,4-Dimethylphenol	5	0.321888	10	0.3207582	20	0.3412809	40	0.3530161	50	0.3464826	60	0.3399808
Dimethyl phthalate	5	1.172413	10	1.164488	20	1.309103	40	1.286831	50	1.31974	60	1.351876
4,6-Dinitro-2-methylphenol	5	7.511963E-02	10	9.141416E-02	20	0.1193065	40	0.1403723	50	0.1484371	60	0.1460889
2,4-Dinitrophenol	5	6.194306E-02	10	8.591946E-02	20	0.1398324	40	0.1661486	50	0.178531	60	0.1728717
2,4-Dinitrotoluene	5	0.3151305	10	0.3490969	20	0.4112999	40	0.4068557	50	0.4170705	60	0.4293431
2,6-Dinitrotoluene	5	0.3012355	10	0.3068519	20	0.3511689	40	0.3578771	50	0.3623212	60	0.352046
Di-n-octylphthalate	5	1.830848	10	1.873405	20	2.220331	40	2.349749	50	2.548334	60	2.377087
1,4-Dioxane	5	0.7196017	10	0.6553979	20	0.6789277	40	0.6763009	50	0.6886881	60	0.6794591
1,2-Diphenylhydrazine	5	1.145674	10	1.093007	20	1.189298	40	1.245027	50	1.331852	60	1.355237
Bis(2-ethylhexyl)phthalate	5	0.9161815	10	0.9274268	20	1.020761	40	1.035503	50	1.056038	60	1.044438
Fluoranthene	5	0.8770307	10	0.8649256	20	0.9757536	40	0.9955242	50	1.042531	60	1.050525
Fluorene	5	1.131612	10	1.166861	20	1.313018	40	1.343832	50	1.251817	60	1.160548
2-Fluorobiphenyl	5	1.372838	10	1.340343	20	1.375484	40	1.384422	50	1.417835	60	1.445495
2-Fluorophenol	10	1.447108	20	1.415984	40	1.511465	80	1.4696	100	1.47827	120	1.483744
Hexachlorobenzene	5	0.2089803	10	0.2000912	20	0.2262968	40	0.2375121	50	0.2514363	60	0.2332399
Hexachlorobutadiene	5	0.134213	10	0.1322375	20	0.1410917	40	0.1415889	50	0.1387658	60	0.1384336
Hexachlorocyclopentadiene	5	0.2676385	10	0.2752545	20	0.308511	40	0.3504553	50	0.3564575	60	0.3900373
Hexachloroethane	5	0.6147373	10	0.589406	20	0.6286475	40	0.6291326	50	0.6275502	60	0.6464037
Indeno(1,2,3-cd)pyrene	5	0.5898127	10	0.628366	20	0.6981217	40	0.7597622	50	0.8048886	60	0.8880455
Isophorone	5	0.7592172	10	0.7354006	20	0.7892216	40	0.783226	50	0.7884443	60	0.7819305
1-Methylnaphthalene	5	0.4134063	10	0.414772	20	0.4621744	40	0.4755764	50	0.4502142	60	0.4685256
2-Methylnaphthalene	5	0.411156	10	0.4254547	20	0.453344	40	0.4898595	50	0.4844376	60	0.4807749
2-Methylphenol	5	1.328662	10	1.322424	20	1.408975	40	1.420097	50	1.411159	60	1.41699

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

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-Methylphenol	5	1.389788	10	1.39088	20	1.466206	40	1.471852	50	1.454444	60	1.50741
4-Methylphenol	5	1.389788	10	1.39088	20	1.466206	40	1.471852	50	1.454444	60	1.50741
3-Methylphenol/4-Methylphenol	5	1.389788	10	1.39088	20	1.466206	40	1.471852	50	1.454444	60	1.50741
Naphthalene	5	0.9471581	10	0.9402391	20	0.9956502	40	1.043409	50	1.032684	60	1.035265
4-Nitroaniline	5	0.2705957	10	0.2875747	20	0.3282423	40	0.3348567	50	0.3381019	60	0.3211905
3-Nitroaniline	5	0.3525251	10	0.363822	20	0.4054712	40	0.4306091	50	0.407224	60	0.410585
2-Nitroaniline	5	0.3685748	10	0.3767691	20	0.3931001	40	0.3753597	50	0.3876902	60	0.3838655
Nitrobenzene	5	0.3982166	10	0.3845464	20	0.3968473	40	0.4092441	50	0.4080185	60	0.42114
Nitrobenzene-d5	5	0.4209953	10	0.4022981	20	0.4148137	40	0.4144635	50	0.420961	60	0.4178876
4-Nitrophenol	5	0.1869413	10	0.2167964	20	0.2551457	40	0.2414521	50	0.2487877	60	0.2444048
2-Nitrophenol	5	0.1762477	10	0.1802587	20	0.1934795	40	0.2021252	50	0.2052127	60	0.2106639
N-Nitrosodimethylamine	5	0.6845917	10	0.6474465	20	0.662535	40	0.6138748	50	0.6012998	60	0.5848764
N-Nitrosodiphenylamine	5	0.6526692	10	0.632036	20	0.6640093	40	0.7010278	50	0.7465316	60	0.714812
N-Nitroso-di-n-propylamine	5	1.064322	10	1.036615	20	1.074081	40	1.093881	50	1.070604	60	1.088527
Pentachlorophenol	5	0.1218118	10	0.1297268	20	0.166072	40	0.1729894	50	0.1814059	60	0.1717029
Phenanthrene	5	1.038718	10	0.9839808	20	1.082434	40	1.113072	50	1.23825	60	1.125141
Phenol	5	2.304984	10	2.279727	20	2.413471	40	2.360002	50	2.342512	60	2.267554
Phenol-d6	10	1.940125	20	1.924229	40	2.002693	80	2.016447	100	1.971512	120	1.964318
Pyrene	5	1.278167	10	1.246129	20	1.356943	40	1.302128	50	1.386645	60	1.293743
Pyridine	5	2.259754	10	2.01999	20	2.163346	40	2.103217	50	2.077651	60	1.907816
Terphenyl-d14	5	0.768936	10	0.7775531	20	0.869594	40	0.8212963	50	0.8363267	60	0.8275756
1,2,4,5-Tetrachlorobenzene	5	0.1964936	10	0.2066692	20	0.2256982	40	0.2354266	50	0.2359473	60	0.2298205
2,3,4,6-Tetrachlorophenol	5	0.2410933	10	0.2571081	20	0.2985408	40	0.3012913	50	0.316094	60	0.3010841
2,4,6-Tribromophenol	10	0.1017131	20	0.1057353	40	0.1199708	80	0.1180026	100	0.1248164	120	0.1232723
1,2,4-Trichlorobenzene	5	0.2599824	10	0.2518391	20	0.2723536	40	0.2860313	50	0.2824268	60	0.2875408
2,4,6-Trichlorophenol	5	0.3555897	10	0.3643873	20	0.3756153	40	0.3710422	50	0.3914436	60	0.4013518
2,4,5-Trichlorophenol	5	0.3672921	10	0.3588658	20	0.3915569	40	0.3909272	50	0.4086902	60	0.4250583

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

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	1.194099	100	1.202362								
Acenaphthylene	80	2.058179	100	2.104919								
Acetophenone	80	1.717749	100	1.795418								
Aniline	80	2.363429	100	2.288298								
Anthracene	80	1.209589	100	1.191989								
Atrazine	80	0.181765	100	0.1942673								
Benzaldehyde	80	~~0.664755~~	100	~~0.4910986~~								
Benzidine	80	0.7122742	100	0.6485703								
Benzo(a)anthracene	80	1.109697	100	1.100216								
Benzo(a)pyrene	80	1.194208	100	1.212628								
Benzo(b)fluoranthene	80	1.512644	100	1.417242								
Benzo(g,h,i)perylene	80	0.7771692	100	0.7854181								
Benzoic acid	80	0.2728133	100	0.2734069								
Benzo(k)fluoranthene	80	1.280042	100	1.368949								
Benzyl alcohol	80	1.007173	100	1.044791								
1,1-Biphenyl	80	1.252993	100	1.114251								
4-Bromophenyl-phenylether	80	0.2167287	100	0.2085402								
Butylbenzylphthalate	80	0.7804929	100	0.7683053								
Caprolactam	80	9.196001E-02	100	8.762596E-02								
Carbazole	80	1.053484	100	1.04858								
4-Chloro-3-methylphenol	80	0.2823123	100	0.2831254								
4-Chloroaniline	80	0.3559964	100	0.3462322								
Bis(2-chloroethoxy)methane	80	0.5324406	100	0.5254019								
Bis(2-chloroethyl)ether	80	1.77451	100	1.807222								
2,2'-Oxybis-1-chloropropane	80	2.095927	100	1.974299								
2-Chloronaphthalene	80	1.062227	100	0.9776405								
2-Chlorophenol	80	1.461553	100	1.494675								
4-Chlorophenyl phenyl ether	80	0.4194895	100	0.4048296								
Chrysene	80	1.01167	100	1.042652								
Dibenz(a,h)anthracene	80	0.8764681	100	0.8779648								
Dibenzofuran	80	1.672356	100	1.538247								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

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	1.595142	100	1.333475								
1,4-Dichlorobenzene	80	1.578733	100	1.526318								
1,3-Dichlorobenzene	80	1.557842	100	1.540574								
1,2-Dichlorobenzene	80	1.503932	100	1.466365								
3,3'-Dichlorobenzidine	80	0.3822632	100	0.3646124								
2,6-Dichlorophenol	80	0.2399095	100	0.2289324								
2,4-Dichlorophenol	80	0.2776975	100	0.2715913								
Diethylphthalate	80	1.460189	100	1.398213								
2,4-Dimethylphenol	80	0.3452533	100	0.3441485								
Dimethyl phthalate	80	1.351411	100	1.296976								
4,6-Dinitro-2-methylphenol	80	0.1637932	100	0.1618944								
2,4-Dinitrophenol	80	~~0.2047989~~	100	~~0.2130038~~								
2,4-Dinitrotoluene	80	0.4216596	100	0.442826								
2,6-Dinitrotoluene	80	0.3585537	100	0.3556663								
Di-n-octylphthalate	80	~~2.786789~~	100	~~2.736878~~								
1,4-Dioxane	80	0.6523432	100	0.6653643								
1,2-Diphenylhydrazine	80	1.31542	100	1.325213								
Bis(2-ethylhexyl)phthalate	80	1.109947	100	1.125001								
Fluoranthene	80	1.028476	100	0.952996								
Fluorene	80	1.013575	100	0.9859699								
2-Fluorobiphenyl	80	1.443913	100	1.453119								
2-Fluorophenol	160	1.357778	200	1.395101								
Hexachlorobenzene	80	0.2269856	100	0.233656								
Hexachlorobutadiene	80	0.1316142	100	0.1247277								
Hexachlorocyclopentadiene	80	0.3477592	100	0.3422301								
Hexachloroethane	80	0.5915631	100	0.5543189								
Indeno(1,2,3-cd)pyrene	80	0.9058981	100	0.9126223								
Isophorone	80	0.7738144	100	0.7448179								
1-Methylnaphthalene	80	0.4685241	100	0.4525944								
2-Methylnaphthalene	80	0.4978921	100	0.4477297								
2-Methylphenol	80	1.440295	100	1.438777								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

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-Methylphenol	80	1.464285	100	1.511053								
4-Methylphenol	80	1.464285	100	1.511053								
3-Methylphenol/4-Methylphenol	80	1.464285	100	1.511053								
Naphthalene	80	0.9330205	100	0.9130988								
4-Nitroaniline	80	0.3337194	100	0.3315577								
3-Nitroaniline	80	0.4481202	100	0.4156356								
2-Nitroaniline	80	0.3843078	100	0.3902637								
Nitrobenzene	80	0.4216404	100	0.4108043								
Nitrobenzene-d5	80	0.4317517	100	0.4217357								
4-Nitrophenol	80	0.2429874	100	0.2443708								
2-Nitrophenol	80	0.2068258	100	0.2068659								
N-Nitrosodimethylamine	80	0.5614909	100	0.5536147								
N-Nitrosodiphenylamine	80	0.7564173	100	0.7039366								
N-Nitroso-di-n-propylamine	80	0.9990254	100	0.9393201								
Pentachlorophenol	80	0.1861843	100	0.1776022								
Phenanthrene	80	1.186516	100	1.088199								
Phenol	80	2.043218	100	2.078936								
Phenol-d6	160	1.816637	200	1.787964								
Pyrene	80	1.423305	100	1.454852								
Pyridine	80	1.889443	100	1.896634								
Terphenyl-d14	80	0.8304707	100	0.8475289								
1,2,4,5-Tetrachlorobenzene	80	0.2372183	100	0.2266107								
2,3,4,6-Tetrachlorophenol	80	0.3111708	100	0.3006594								
2,4,6-Tribromophenol	160	0.1104081	200	0.1044657								
1,2,4-Trichlorobenzene	80	0.2935365	100	0.2929683								
2,4,6-Trichlorophenol	80	0.3931264	100	0.4129942								
2,4,5-Trichlorophenol	80	0.417242	100	0.4260825								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2004002		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	12/30/11 19:33	12/30/11 23:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.173936	5.282129	9.745	0.1167913			CCC (30)	
Acenaphthylene	1.979927	5.689698	9.51175	0.1019977			15	
Acetophenone	1.736397	3.479706	6.396125	0.2038089			15	
Aniline	2.560292	6.10104	5.46525	0.2122535			15	
Anthracene	1.133848	9.085314	11.57813	9.711506E-02			15	
Atrazine	0.1857409	5.151554	11.21862	0.1319023			15	
Benzaldehyde	1.038294	11.25334	5.273167	5.669931E-02			15	
Benzidine	0.6667575	9.923063	13.23725	0.0693671			15	
Benzo(a)anthracene	1.072944	5.354042	15.29087	5.664337E-02			15	
Benzo(a)pyrene	1.090257	9.482744	17.84012	8.900482E-02			CCC (30)	
Benzo(b)fluoranthene	1.298967	11.78369	17.26262	8.913773E-02			15	
Benzo(g,h,i)perylene	0.7081349	9.910742	20.28512	0.1073181			15	
Benzoic acid	0.2474039	10.69963	7.305375	1.007314			15	
Benzo(k)fluoranthene	1.275933	5.226168	17.30775	0.1007186			15	
Benzyl alcohol	0.9911779	4.103385	6.0505	0.2549744			15	
1,1-Biphenyl	1.385782	10.11308	8.980875	0.0641647			15	
4-Bromophenyl-phenylether	0.208175	6.466653	10.95213	0.0658037			15	
Butylbenzylphthalate	0.7382158	4.531354	14.43387	5.862906E-02			15	
Caprolactam	9.442583E-02	7.641898	8.071625	0.8084731			15	
Carbazole	1.006864	8.106585	11.78525	0.0812892			15	
4-Chloro-3-methylphenol	0.2679744	6.140787	8.252125	0.2005382			CCC (30)	
4-Chloroaniline	0.4077847	9.261848	7.620875	0.1289999			15	
Bis(2-chloroethoxy)methane	0.5179242	3.57028	7.221	0.1571934			15	
Bis(2-chloroethyl)ether	1.758697	1.93903	5.549375	0.1985382			15	
2,2'-Oxybis-1-chloropropane	2.25236	6.529823	6.24575	9.468884E-02			15	
2-Chloronaphthalene	1.136526	7.088411	8.9895	0.1066891			15	
2-Chlorophenol	1.432591	3.233566	5.5955	0.1495837			15	
4-Chlorophenyl phenyl ether	0.5044183	13.7178	10.36263	0.0736364			15	
Chrysene	0.9960148	3.59332	15.37275	9.043114E-02			15	
Dibenz(a,h)anthracene	0.7499236	14.62734	19.83875	0.0879536			15	
Dibenzofuran	1.585336	5.78351	9.9335	7.612057E-02			15	
Di-n-butylphthalate	1.457854	9.524954	12.27213	5.497543E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.58189	4.294551	5.846875	9.534545E-02			CCC (30)	
1,3-Dichlorobenzene	1.54874	2.736184	5.777375	9.660933E-02			15	
1,2-Dichlorobenzene	1.47484	3.898379	6.0885	9.317147E-02			15	
3,3'-Dichlorobenzidine	0.38928	6.103034	15.31025	6.133041E-02			15	
2,6-Dichlorophenol	0.2386979	5.515855	7.61975	9.382641E-02			15	
2,4-Dichlorophenol	0.2563334	6.223441	7.32625	0.1667413			CCC (30)	
Diethylphthalate	1.329046	8.155599	10.305	0.1220657			15	
2,4-Dimethylphenol	0.3391011	3.434936	7.09775	0.1603194			15	
Dimethyl phthalate	1.281605	5.743222	9.4455	0.1642946			15	
4,6-Dinitro-2-methylphenol	0.1308033	24.98347	10.49988	0.1983555	0.9966339		0.995	
2,4-Dinitrophenol	0.1342077	36.60208	9.806167	0.1232133	0.9975888		SPCC (0.05)	
2,4-Dinitrotoluene	0.3991603	10.96877	10.003	0.1500001			15	
2,6-Dinitrotoluene	0.3432151	7.133609	9.52875	0.1384952			15	
Di-n-octylphthalate	2.199959	13.15024	16.63317	0.0361858			CCC (30)	
1,4-Dioxane	0.6770104	3.144184	2.53325	0.2038044			15	
1,2-Diphenylhydrazine	1.250091	7.823289	10.55225	9.909933E-02			15	
Bis(2-ethylhexyl)phthalate	1.029412	7.333376	15.495	3.207131E-02			15	
Fluoranthene	0.9734703	7.338693	13.03213	6.965115E-02			CCC (30)	
Fluorene	1.170904	11.054	10.35525	7.265311E-02			15	
2-Fluorobiphenyl	1.404181	2.965558	8.875	8.563782E-02			15	
2-Fluorophenol	1.444881	3.56518	4.26175	0.1685766			15	
Hexachlorobenzene	0.2272748	7.132747	11.12937	5.845867E-02			15	
Hexachlorobutadiene	0.135334	4.243227	7.744375	4.897247E-02			CCC (30)	
Hexachlorocyclopentadiene	0.3297929	12.8315	8.6705	6.084648E-02			SPCC (0.05)	
Hexachloroethane	0.6102199	4.89025	6.481625	8.517071E-02			15	
Indeno(1,2,3-cd)pyrene	0.7734396	16.32993	19.80075	9.504357E-02	0.9960289		0.995	
Isophorone	0.7695091	2.684466	6.917125	0.2223126			15	
1-Methylnaphthalene	0.4507234	5.350739	8.51625	5.463623E-02			15	
2-Methylnaphthalene	0.4613311	6.91124	8.37925	0.0496407			15	
2-Methylphenol	1.398422	3.322558	6.2205	0.1462883			15	
3-Methylphenol	1.45699	3.147096	6.4205	0.2703773			15	
4-Methylphenol	1.45699	3.147096	6.4205	0.2703773			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2004002	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	12/30/11 19:33 12/30/11 23:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.45699	3.147096	6.4205	0.2703773			15	
Naphthalene	0.9800656	5.376729	7.50725	8.124625E-02			15	
4-Nitroaniline	0.3182299	7.884334	10.46113	0.2523866			15	
3-Nitroaniline	0.404249	7.883483	9.696125	0.1796829			15	
2-Nitroaniline	0.3824914	2.170473	9.17175	0.1168084			15	
Nitrobenzene	0.4063072	3.106743	6.617125	0.1895533			15	
Nitrobenzene-d5	0.4181133	2.000894	6.591625	0.1397096			15	
4-Nitrophenol	0.2351108	9.535882	9.906375	0.1911724			SPCC (0.05)	
2-Nitrophenol	0.1977099	6.604654	7.027	8.863303E-02			CCC (30)	
N-Nitrosodimethylamine	0.6137162	7.75838	2.86	0.2099908			15	
N-Nitrosodiphenylamine	0.69643	6.337661	10.52813	0.1353504			CCC (30)	
N-Nitroso-di-n-propylamine	1.045797	5.047601	6.446125	0.3850959			SPCC (0.05)	
Pentachlorophenol	0.1634369	14.76542	11.35262	6.067648E-02			CCC (30)	
Phenanthrene	1.107039	7.215873	11.52437	6.405681E-02			15	
Phenol	2.261301	5.852363	5.46025	0.3584612			CCC (30)	
Phenol-d6	1.927991	4.330112	5.442875	0.327317			15	
Pyrene	1.342739	5.54055	13.34575	7.930715E-02			15	
Pyridine	2.039731	6.681465	2.8515	0.1633525			15	
Terphenyl-d14	0.8224102	4.114583	13.597	6.456995E-02			15	
1,2,4,5-Tetrachlorobenzene	0.2242356	6.63206	8.64325	5.143596E-02			15	
2,3,4,6-Tetrachlorophenol	0.2908802	9.218803	10.14638	8.855297E-02			15	
2,4,6-Tribromophenol	0.113548	7.989401	10.68588	0.1150016			15	
1,2,4-Trichlorobenzene	0.2783349	5.566892	7.4315	5.139458E-02			15	
2,4,6-Trichlorophenol	0.3831938	5.130237	8.779125	0.1088016			CCC (30)	
2,4,5-Trichlorophenol	0.3982144	6.417074	8.826375	0.126846			15	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12 14:51 2/17/12 22:29

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	1.174781	10	1.24258	20	1.295198	40	1.272443	50	1.170694	60	1.117897
Acenaphthylene	5	1.959375	10	1.984057	20	2.136369	40	2.085062	50	2.09748	60	1.863956
Acetophenone												
Aniline	5	2.203564	10	2.2424	20	2.315314	40	2.190005	50	2.093297	60	2.010472
Anthracene	5	1.192742	10	1.179851	20	1.233553	40	1.143652	50	1.09411	60	1.071163
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.171123	10	1.171011	20	1.212739	40	1.193544	50	1.178264	60	1.137221
Benzo(a)pyrene	5	0.960921	10	0.9937807	20	1.052151	40	1.057748	50	1.01867	60	1.014557
Benzo(b)fluoranthene	5	1.03953	10	1.263515	20	1.154735	40	1.154301	50	1.220398	60	1.204713
Benzo(g,h,i)perylene	5	0.8283416	10	0.6974424	20	0.8302774	40	0.8293776	50	0.7557361	60	0.7841536
Benzoic acid	5	0.1718071	10	0.2017251	20	0.246215	40	0.2514732	50	0.2754693	60	0.2671375
Benzo(k)fluoranthene	5	1.213729	10	1.236806	20	1.297159	40	1.348543	50	1.173218	60	1.169386
Benzyl alcohol	5	0.8973255	10	0.9227153	20	0.9795732	40	0.9649177	50	0.9487248	60	0.8755351
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2271497	10	0.2317014	20	0.2505055	40	0.2289041	50	0.2212841	60	0.1982147
Butylbenzylphthalate	5	0.7217151	10	0.8155587	20	0.8690611	40	0.8501333	50	0.80082	60	0.7960794
Caprolactam												
Carbazole	5	1.071113	10	1.031606	20	1.096214	40	1.073525	50	1.067225	60	1.020551
4-Chloro-3-methylphenol	5	0.2635058	10	0.2657691	20	0.2813352	40	0.2797341	50	0.2881737	60	0.2616138
4-Chloroaniline	5	0.4187399	10	0.4317606	20	0.4538547	40	0.432192	50	0.4505564	60	0.4097717
Bis(2-chloroethoxy)methane	5	0.4419768	10	0.4489909	20	0.4639249	40	0.4374995	50	0.4626617	60	0.4564263
Bis(2-chloroethyl)ether	5	1.458794	10	1.480111	20	1.548289	40	1.508725	50	1.562149	60	1.503153
2,2'-Oxybis-1-chloropropane	5	2.220089	10	2.279674	20	2.359351	40	2.229004	50	2.049811	60	1.870703
2-Chloronaphthalene	5	1.222719	10	1.239914	20	1.335253	40	1.330636	50	1.224175	60	1.200874
2-Chlorophenol	5	1.435114	10	1.401381	20	1.470832	40	1.46292	50	1.493667	60	1.486599
4-Chlorophenyl phenyl ether	5	0.6547979	10	0.653563	20	0.6900171	40	0.6646257	50	0.5629858	60	0.5250363
Chrysene	5	1.125411	10	1.070756	20	1.133143	40	1.098832	50	1.039884	60	1.030012
Dibenz(a,h)anthracene	5	0.7830339	10	0.7057852	20	0.8144798	40	0.8394756	50	0.7807317	60	0.8133086
Dibenzofuran	5	1.735545	10	1.794374	20	1.854032	40	1.798998	50	1.58019	60	1.58535

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12_14:51 2/17/12_22:29

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	1.521153	10	1.567586	20	1.637966	40	1.58996	50	1.376876	60	1.293412
1,4-Dichlorobenzene	5	1.652838	10	1.620729	20	1.666315	40	1.638059	50	1.569668	60	1.490916
1,3-Dichlorobenzene	5	1.612848	10	1.574745	20	1.617315	40	1.602155	50	1.543699	60	1.494258
1,2-Dichlorobenzene	5	1.477228	10	1.530007	20	1.544801	40	1.530505	50	1.471241	60	1.286618
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.263811	10	0.2756935	20	0.2814159	40	0.2760051	50	0.2748419	60	0.2680626
Diethylphthalate	5	1.593819	10	1.800708	20	1.741602	40	1.666374	50	1.526454	60	1.350188
2,4-Dimethylphenol	5	0.319391	10	0.3392485	20	0.3512364	40	0.3363122	50	0.3391292	60	0.3350064
Dimethyl phthalate	5	1.415756	10	1.407125	20	1.538136	40	1.456295	50	1.28974	60	1.300822
4,6-Dinitro-2-methylphenol	5	~~0.1050538~~	10	0.1164195	20	0.1558309	40	0.1637774	50	0.1763869	60	0.1734277
2,4-Dinitrophenol	5	0.1020261	10	0.13016	20	0.1891618	40	0.2139337	50	0.2413258	60	0.256717
2,4-Dinitrotoluene	5	0.4768898	10	0.4916222	20	0.5471939	40	0.5362898	50	0.5157087	60	0.5481312
2,6-Dinitrotoluene	5	0.3769721	10	0.3710406	20	0.4151843	40	0.4168929	50	0.4237491	60	0.3916149
Di-n-octylphthalate	5	1.668192	10	2.411503	20	2.374939	40	2.342515	50	2.37138	60	2.361248
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.9591747	10	0.8767961	20	1.027784	40	1.006442	50	1.046671	60	0.9587711
Bis(2-ethylhexyl)phthalate	5	1.009375	10	1.175734	20	1.202776	40	1.172691	50	1.119593	60	1.113491
Fluoranthene	5	1.142277	10	1.130479	20	1.147023	40	1.108424	50	0.9847736	60	0.9595442
Fluorene	5	1.381405	10	1.387589	20	1.498698	40	1.402379	50	1.169615	60	1.143437
2-Fluorobiphenyl	5	1.288429	10	1.312555	20	1.382539	40	1.375163	50	1.270478	60	1.228561
2-Fluorophenol	10	1.294506	20	1.291733	40	1.342387	80	1.267741	100	1.185304	120	1.101497
Hexachlorobenzene	5	0.3072333	10	0.2971568	20	0.3020079	40	0.285893	50	0.2662638	60	0.2516374
Hexachlorobutadiene	5	0.1766254	10	0.176815	20	0.1763086	40	0.1724148	50	0.1556027	60	0.1468559
Hexachlorocyclopentadiene	5	0.2650725	10	0.2933057	20	0.3380483	40	0.3570756	50	0.3630807	60	0.3696109
Hexachloroethane	5	0.5850416	10	0.6022309	20	0.6329762	40	0.6280621	50	0.5231838	60	0.4548458
Indeno(1,2,3-cd)pyrene	5	0.7682654	10	0.6738099	20	0.8410533	40	0.8477704	50	0.7835989	60	0.8093879
Isophorone	5	0.6703125	10	0.7011179	20	0.7443537	40	0.7175613	50	0.7400443	60	0.719335
1-Methylnaphthalene	5	0.4729438	10	0.5051188	20	0.5211902	40	0.5085949	50	0.4652807	60	0.4177658
2-Methylnaphthalene	5	0.4821719	10	0.4986635	20	0.531423	40	0.5069188	50	0.4748619	60	0.4291032
2-Methylphenol	5	1.247333	10	1.25845	20	1.352333	40	1.295443	50	1.198227	60	1.065184

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12_14:51 2/17/12_22:29

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-Methylphenol	5	1.278455	10	1.324235	20	1.398114	40	1.295652	50	1.132	60	0.9462078
4-Methylphenol	5	1.278455	10	1.324235	20	1.398114	40	1.295652	50	1.132	60	0.9462078
3-Methylphenol/4-Methylphenol	5	1.278455	10	1.324235	20	1.398114	40	1.295652	50	1.132	60	0.9462078
Naphthalene	5	1.009526	10	1.053966	20	1.101972	40	1.063854	50	0.9353193	60	0.8850712
4-Nitroaniline	5	0.3358017	10	0.2997237	20	0.3461321	40	0.3635092	50	0.3991167	60	0.4043282
3-Nitroaniline	5	0.3916487	10	0.3938698	20	0.3904885	40	0.4439898	50	0.4509897	60	0.4250443
2-Nitroaniline	5	0.3198293	10	0.3413918	20	0.3717034	40	0.371939	50	0.3763895	60	0.3830486
Nitrobenzene	5	0.3437832	10	0.3483264	20	0.3622212	40	0.3567899	50	0.371805	60	0.3694381
Nitrobenzene-d5	5	0.3161788	10	0.3345005	20	0.3469366	40	0.3371699	50	0.3541229	60	0.3442581
4-Nitrophenol	5	0.211118	10	0.2019845	20	0.2367485	40	0.2300785	50	0.240087	60	0.2478171
2-Nitrophenol	5	0.2052161	10	0.2101948	20	0.2221198	40	0.2091784	50	0.2238173	60	0.213067
N-Nitrosodimethylamine	5	0.6306529	10	0.6503475	20	0.6627155	40	0.6343277	50	0.6056364	60	0.5889626
N-Nitrosodiphenylamine	5	0.7162662	10	0.6831491	20	0.7008345	40	0.6765557	50	0.6051816	60	0.5804868
N-Nitroso-di-n-propylamine	5	0.8770895	10	0.9542825	20	1.002645	40	0.9412192	50	0.8672311	60	0.8069614
Pentachlorophenol	5	~~0.1392743~~	10	0.1487236	20	0.1718088	40	0.1795193	50	0.1931862	60	0.1881533
Phenanthrene	5	1.183142	10	1.162218	20	1.201438	40	1.162335	50	1.068865	60	0.997296
Phenol	5	1.884571	10	1.915451	20	1.978703	40	1.917972	50	1.899629	60	1.742175
Phenol-d6	10	1.732212	20	1.711522	40	1.765727	80	1.686988	100	1.582671	120	1.471334
Pyrene	5	1.392338	10	1.528902	20	1.582776	40	1.468643	50	1.340661	60	1.451908
Pyridine	5	1.474016	10	1.66226	20	1.689252	40	1.624792	50	1.611002	60	1.557286
Terphenyl-d14	5	0.8191685	10	0.8760396	20	0.9524045	40	0.8768717	50	0.7965437	60	0.7985042
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.3047825	10	0.3170221	20	0.3683541	40	0.3640897	50	0.3334184	60	0.3265651
2,4,6-Tribromophenol	10	0.154307	20	0.1501518	40	0.1577968	80	0.14802	100	0.1358598	120	0.1212017
1,2,4-Trichlorobenzene	5	0.3170757	10	0.320026	20	0.3216212	40	0.3109249	50	0.3132698	60	0.2884026
2,4,6-Trichlorophenol	5	0.4086702	10	0.425271	20	0.4441117	40	0.4646405	50	0.4374591	60	0.4236794
2,4,5-Trichlorophenol	5	0.3949398	10	0.4118039	20	0.4578324	40	0.4672704	50	0.4305752	60	0.4282858

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12 14:51 2/17/12 22:29

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	1.11532	100	0.895807								
Acenaphthylene	80	1.907577	100	1.417093								
Acetophenone					5	1.710453	10	1.770083	20	1.820207	40	1.83578
Aniline	80	1.925814	100	1.823165								
Anthracene	80	1.013064	100	0.8980655								
Atrazine					5	0.2070468	10	0.2140381	20	0.2165587	40	0.2200435
Benzaldehyde					5	1.115985	10	1.150418	20	1.150435	40	1.151214
Benzidine					5	0.7268344	10	0.7243251	20	0.77087	40	0.8998861
Benzo(a)anthracene	80	1.108323	100	1.044826								
Benzo(a)pyrene	80	1.002191	100	0.9632177								
Benzo(b)fluoranthene	80	1.279442	100	1.144802								
Benzo(g,h,i)perylene	80	0.7584331	100	0.7681976								
Benzoic acid	80	0.261054	100	0.2493337								
Benzo(k)fluoranthene	80	1.065727	100	1.084744								
Benzyl alcohol	80	0.8191299	100	0.7539843								
1,1-Biphenyl					5	1.480788	10	1.509694	20	1.542703	40	1.456692
4-Bromophenyl-phenylether	80	0.1857848	100	0.173994								
Butylbenzylphthalate	80	0.7341325	100	0.7145831								
Caprolactam					5	0.1171988	10	0.1094474	20	0.1152448	40	0.1146865
Carbazole	80	0.9831506	100	0.8888753								
4-Chloro-3-methylphenol	80	0.2563877	100	0.2455282								
4-Chloroaniline	80	0.3957447	100	0.3772973								
Bis(2-chloroethoxy)methane	80	0.4472411	100	0.3814929								
Bis(2-chloroethyl)ether	80	1.4785	100	1.378549								
2,2'-Oxybis-1-chloropropane	80	1.753637	100	1.609639								
2-Chloronaphthalene	80	1.148957	100	1.03109								
2-Chlorophenol	80	1.43997	100	1.425313								
4-Chlorophenyl phenyl ether	80	0.5193222	100	0.4504314								
Chrysene	80	0.9913769	100	0.8976748								
Dibenz(a,h)anthracene	80	0.7838953	100	0.7814514								
Dibenzofuran	80	1.492888	100	1.4222								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12 14:51 2/17/12 22:29

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	1.254271	100	1.206785								
1,4-Dichlorobenzene	80	1.441592	100	1.311584								
1,3-Dichlorobenzene	80	1.409817	100	1.346043								
1,2-Dichlorobenzene	80	1.230544	100	1.061989								
3,3'-Dichlorobenzidine					5	0.3958552	10	0.3838789	20	0.4005895	40	0.4289531
2,6-Dichlorophenol					5	0.2683356	10	0.2783117	20	0.2729595	40	0.2724819
2,4-Dichlorophenol	80	0.2615964	100	0.2360115								
Diethylphthalate	80	1.312197	100	1.162408								
2,4-Dimethylphenol	80	0.3313834	100	0.3003296								
Dimethyl phthalate	80	1.246692	100	1.094512								
4,6-Dinitro-2-methylphenol	80	0.1652644	100	~~0.1404127~~								
2,4-Dinitrophenol	80	0.2581562	100	0.2580552								
2,4-Dinitrotoluene	80	0.5327528	100	0.5198274								
2,6-Dinitrotoluene	80	0.4007832	100	0.3775036								
Di-n-octylphthalate	80	2.187813	100	1.954533								
1,4-Dioxane					5	0.5877349	10	0.5944777	20	0.5583546	40	0.5893913
1,2-Diphenylhydrazine	80	0.8800455	100	0.8118205								
Bis(2-ethylhexyl)phthalate	80	1.054622	100	0.9426311								
Fluoranthene	80	0.9482778	100	0.8876779								
Fluorene	80	1.096829	100	~~0.9406492~~								
2-Fluorobiphenyl	80	1.153001	100	1.026252								
2-Fluorophenol	160	1.054105	200	0.9985663								
Hexachlorobenzene	80	0.2352021	100	0.2095066								
Hexachlorobutadiene	80	0.1443108	100	0.1331359								
Hexachlorocyclopentadiene	80	0.3502453	100	0.3072747								
Hexachloroethane	80	0.4318599	100	~~0.4227279~~								
Indeno(1,2,3-cd)pyrene	80	0.803429	100	0.82765								
Isophorone	80	0.7044946	100	0.6812289								
1-Methylnaphthalene	80	0.4017139	100	0.3781828								
2-Methylnaphthalene	80	0.4040929	100	0.3872307								
2-Methylphenol	80	1.010662	100	0.9341945								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12 14:51 2/17/12 22:29

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-Methylphenol	80	~~0.9172481~~	100	~~0.8707386~~								
4-Methylphenol	80	~~0.9172481~~	100	~~0.8707386~~								
3-Methylphenol/4-Methylphenol	80	~~0.9172481~~	100	~~0.8707386~~								
Naphthalene	80	0.8565522	100	0.8089564								
4-Nitroaniline	80	0.4090788	100	0.3984154								
3-Nitroaniline	80	0.4227143	100	0.3572978								
2-Nitroaniline	80	0.3724017	100	0.3405482								
Nitrobenzene	80	0.3702044	100	0.3317368								
Nitrobenzene-d5	80	0.3493462	100	0.3309859								
4-Nitrophenol	80	0.2535005	100	0.2318505								
2-Nitrophenol	80	0.2108151	100	0.1995696								
N-Nitrosodimethylamine	80	0.5818189	100	0.5907167								
N-Nitrosodiphenylamine	80	0.5342481	100	0.4896426								
N-Nitroso-di-n-propylamine	80	0.7451201	100	0.8007694								
Pentachlorophenol	80	0.1761436	100	0.1754034								
Phenanthrene	80	0.9339634	100	0.9035399								
Phenol	80	1.759054	100	1.453337								
Phenol-d6	160	1.401337	200	1.285103								
Pyrene	80	1.228209	100	1.114812								
Pyridine	80	1.585954	100	1.546593								
Terphenyl-d14	80	0.7064456	100	0.6583989								
1,2,4,5-Tetrachlorobenzene					5	0.2875307	10	0.2971586	20	0.2902631	40	0.2712798
2,3,4,6-Tetrachlorophenol	80	0.3175861	100	0.2801459								
2,4,6-Tribromophenol	160	0.1121713	200	0.1110443								
1,2,4-Trichlorobenzene	80	0.2780399	100	0.2578876								
2,4,6-Trichlorophenol	80	0.4102798	100	0.3751248								
2,4,5-Trichlorophenol	80	0.413697	100	0.3635579								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12 14:51 2/17/12 22:29

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	1.742864	60	1.712882	80	1.773725	100	1.591388				
Aniline												
Anthracene												
Atrazine	50	0.2128821	60	0.2168543	80	0.1972752	100	0.2077193				
Benzaldehyde	50	1.118144	60	1.091729	80	1.011053	100	0.9887707				
Benzidine	50	0.909061	60	0.865623	80	0.8300199	100	0.8499146				
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	1.439994	60	1.442801	80	1.323617	100	1.273381				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1119461	60	0.1110556	80	0.1097831	100	0.1104338				
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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12 14:51 2/17/12 22:29

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	0.4058578	60	0.4490908	80	0.4230511	100	0.4373659				
2,6-Dichlorophenol	50	0.26766	60	0.2727219	80	0.2640028	100	0.2532069				
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	0.5946113	60	0.5861573	80	0.5785117	100	0.5420729				
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_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2049001	Instrument:	MS-BNA1	
Matrix:	Water	Calibration Dates:	2/17/12 14:51	2/17/12 22:29

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-Methylphenol												
4-Methylphenol												
3-Methylphenol/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	0.2647877	60	0.2677382	80	0.2421015	100	0.2297258				
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_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2049001		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	2/17/12 14:51	2/17/12 22:29

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.16059	10.88125	9.293125	0.1356854			CCC (30)	
Acenaphthylene	1.931371	11.84561	9.05725	0.1262458			15	
Acetophenone	1.744673	4.396075	5.930875	0.1379037			15	
Aniline	2.100504	8.057218	4.993375	0.2256426			15	
Anthracene	1.103275	9.919269	11.1135	9.334139E-02			15	
Atrazine	0.2115523	3.44615	10.784	0.1405919			15	
Benzaldehyde	1.097219	5.823904	4.795	0.1439714			15	
Benzidine	0.8220668	8.915744	12.72663	7.227867E-02			15	
Benzo(a)anthracene	1.152131	4.690676	14.64812	0.1001888			15	
Benzo(a)pyrene	1.007905	3.565247	17.1085	0.1143078			CCC (30)	
Benzo(b)fluoranthene	1.182679	6.496136	16.54662	0.115441			15	
Benzo(g,h,i)perylene	0.7814949	5.984511	19.39887	0.1266397			15	
Benzoic acid	0.2405269	14.74791	6.914	1.127908			15	
Benzo(k)fluoranthene	1.198664	8.100845	16.5955	0.1340433			15	
Benzyl alcohol	0.8952382	8.623641	5.5965	0.2157095			15	
1,1-Biphenyl	1.433709	6.367878	8.533625	8.481311E-02			15	
4-Bromophenyl-phenylether	0.2146923	12.11549	10.50275	7.775987E-02			15	
Butylbenzylphthalate	0.7877604	7.449284	13.8675	6.584126E-02			15	
Caprolactam	0.1124745	2.553716	7.583625	0.4748379			15	
Carbazole	1.029032	6.524147	11.3315	0.1052157			15	
4-Chloro-3-methylphenol	0.2677559	5.3339	7.8205	0.1153199			CCC (30)	
4-Chloroaniline	0.4212397	6.263248	7.178625	0.1153904			15	
Bis(2-chloroethoxy)methane	0.4425268	5.961141	6.7885	0.1637444			15	
Bis(2-chloroethyl)ether	1.489784	3.826786	5.086125	0.2893165			15	
2,2'-Oxybis-1-chloropropane	2.046488	13.35928	5.79475	0.1357966			15	
2-Chloronaphthalene	1.216702	8.038354	8.537125	6.631741E-02			15	
2-Chlorophenol	1.451974	2.195179	5.12375	0.1348467			15	
4-Chlorophenyl phenyl ether	0.5900974	14.77851	9.91775	9.376159E-02			15	
Chrysene	1.048386	7.435431	14.72875	0.1126449			15	
Dibenz(a,h)anthracene	0.7877702	5.006288	19.02737	0.1037723			15	
Dibenzofuran	1.657947	9.594213	9.48325	8.575873E-02			15	
Di-n-butylphthalate	1.431001	11.76034	11.83625	5.173191E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2049001	Instrument:	MS-BNA1		
Matrix:	Water	Calibration Dates:	2/17/12 14:51	2/17/12 22:29	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.548963	8.068096	5.373	0.101388			CCC (30)	
1,3-Dichlorobenzene	1.52511	6.615364	5.29975	0.1118453			15	
1,2-Dichlorobenzene	1.391617	12.77392	5.61975	0.133321			15	
3,3'-Dichlorobenzidine	0.4155803	5.415473	14.67925	0.0855639			15	
2,6-Dichlorophenol	0.26871	2.828281	7.172375	9.197024E-02			15	
2,4-Dichlorophenol	0.2671797	5.342993	6.886	0.1650154			CCC (30)	
Diethylphthalate	1.519219	14.81716	9.88	0.1588538			15	
2,4-Dimethylphenol	0.3315046	4.647365	6.67275	0.2269806			15	
Dimethyl phthalate	1.343635	10.37204	9.020625	0.2263327			15	
4,6-Dinitro-2-methylphenol	0.1585178	13.80461	10.065	0.2054873	0.9952363		0.995	
2,4-Dinitrophenol	0.206192	29.64739	9.376	0.200187	0.9973931		SPCC (0.05)	
2,4-Dinitrotoluene	0.521052	4.937042	9.568	0.1569915			15	
2,6-Dinitrotoluene	0.3967176	5.165608	9.096375	0.1891722			15	
Di-n-octylphthalate	2.209015	12.02089	15.999	7.467199E-02			CCC (30)	
1,4-Dioxane	0.578914	3.270186	2.1495	0.2162766			15	
1,2-Diphenylhydrazine	0.9459381	8.750084	10.10825	0.1198873			15	
Bis(2-ethylhexyl)phthalate	1.098864	8.224527	14.89038	4.874885E-02			15	
Fluoranthene	1.03856	10.02657	12.5155	9.877147E-02			CCC (30)	
Fluorene	1.297136	12.06671	9.901857	8.901724E-02			15	
2-Fluorobiphenyl	1.254622	9.469373	8.434625	0.1225435			15	
2-Fluorophenol	1.19198	10.68146	3.823875	0.1686535			15	
Hexachlorobenzene	0.2693626	13.02704	10.67325	9.862508E-02			15	
Hexachlorobutadiene	0.1602586	10.90684	7.300375	0.0440889			CCC (30)	
Hexachlorocyclopentadiene	0.3304642	11.40754	8.224625	6.040244E-02			SPCC (0.05)	
Hexachloroethane	0.5511715	14.93475	6.013	5.608208E-02			15	
Indeno(1,2,3-cd)pyrene	0.7943706	7.02166	18.98688	0.1106376			15	
Isophorone	0.709806	3.665659	6.4685	0.2850752			15	
1-Methylnaphthalene	0.4588489	11.70768	8.0665	0.0976766			15	
2-Methylnaphthalene	0.4643082	11.14283	7.9315	8.358159E-02			15	
2-Methylphenol	1.170228	12.73886	5.78375	0.1650158			15	
3-Methylphenol	1.229111	13.31605	5.985	0.237401			15	
4-Methylphenol	1.229111	13.31605	5.985	0.237401			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2049001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	2/17/12 14:51 2/17/12 22:29

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.229111	13.31605	5.985	0.237401			15	
Naphthalene	0.9644021	11.20962	7.051875	0.1133623			15	
4-Nitroaniline	0.3695132	10.76641	10.025	0.292913			15	
3-Nitroaniline	0.4095054	7.709307	9.26125	0.2011323			15	
2-Nitroaniline	0.3596564	6.279577	8.735625	0.1216211			15	
Nitrobenzene	0.3567881	4.052403	6.15875	0.2098319			15	
Nitrobenzene-d5	0.3391874	3.58445	6.134375	0.1632196			15	
4-Nitrophenol	0.2316481	7.548151	9.493125	0.2025014			SPCC (0.05)	
2-Nitrophenol	0.2117473	3.811059	6.574375	0.1138671			CCC (30)	
N-Nitrosodimethylamine	0.6181473	4.937911	2.45725	0.220125			15	
N-Nitrosodiphenylamine	0.6232956	13.42702	10.08725	0.1643367			CCC (30)	
N-Nitroso-di-n-propylamine	0.8744148	10.04772	5.999125	0.4508511			SPCC (0.05)	
Pentachlorophenol	0.176134	8.086768	10.90186	8.050409E-02			CCC (30)	
Phenanthrene	1.0766	11.0049	11.0635	7.556332E-02			15	
Phenol	1.818861	9.260844	5.01775	0.4484785			CCC (30)	
Phenol-d6	1.579612	11.14902	5.00575	0.4144128			15	
Pyrene	1.388531	11.24969	12.807	0.1001231			15	
Pyridine	1.593894	4.309411	2.44525	0.1731993			15	
Terphenyl-d14	0.8105471	11.72404	13.06088	6.442665E-02			15	
1,2,4,5-Tetrachlorobenzene	0.2688232	8.756429	8.193875	8.222837E-02			15	
2,3,4,6-Tetrachlorophenol	0.3264955	8.968741	9.700875	9.618856E-02			15	
2,4,6-Tribromophenol	0.1363191	14.03898	10.23375	0.1363863			15	
1,2,4-Trichlorobenzene	0.300906	7.782865	6.978625	4.307396E-02			15	
2,4,6-Trichlorophenol	0.4236546	6.339981	8.33675	0.1200841			CCC (30)	
2,4,5-Trichlorophenol	0.4209953	7.908177	8.382	8.940385E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/30/11
Lab Sample ID:	2A00403-ICV1	Injection Time:	23:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	48.95	1.173936	1.149363		-2.1	20
Acenaphthylene	A	50.00	50.06	1.979927	1.98241		0.1	20
Acetophenone	A	50.00	50.47	1.736397	1.752718		0.9	20
Anthracene	A	50.00	53.48	1.133848	1.212704		7.0	20
Atrazine	A	50.00	50.86	0.1857409	0.1889183		1.7	20
Benzo(a)anthracene	A	50.00	51.47	1.072944	1.104508		2.9	20
Benzo(a)pyrene	A	50.00	51.46	1.090257	1.122099		2.9	20
Benzo(b)fluoranthene	A	50.00	50.53	1.298967	1.312847		1.1	20
Benzo(g,h,i)perylene	A	50.00	48.64	0.7081349	0.6888782		-2.7	20
Benzoic acid	A	50.00	54.69	0.2474039	0.2706273		9.4	20
Benzo(k)fluoranthene	A	50.00	51.03	1.275933	1.302141		2.1	20
1,1-Biphenyl	A	50.00	49.65	1.385782	1.376088		-0.7	20
4-Bromophenyl-phenylether	A	50.00	51.99	0.208175	0.2164697		4.0	20
Butylbenzylphthalate	A	50.00	50.19	0.7382158	0.7410046		0.4	20
Caprolactam	A	50.00	40.51	9.442583E-02	7.650017E-02		-19.0	20
Carbazole	A	50.00	52.25	1.006864	1.052153		4.5	20
4-Chloro-3-methylphenol	A	50.00	48.93	0.2679744	0.2622387		-2.1	20
4-Chloroaniline	A	50.00	46.79	0.4077847	0.3815885		-6.4	20
Bis(2-chloroethoxy)methane	A	50.00	47.62	0.5179242	0.4932332		-4.8	20
Bis(2-chloroethyl)ether	A	50.00	48.44	1.758697	1.70369		-3.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	50.59	2.25236	2.278843		1.2	20
2-Chloronaphthalene	A	50.00	51.28	1.136526	1.165561		2.6	20
2-Chlorophenol	A	50.00	49.85	1.432591	1.428393		-0.3	20
4-Chlorophenyl phenyl ether	A	50.00	50.38	0.5044183	0.5082327		0.8	20
Chrysene	A	50.00	51.15	0.9960148	1.018956		2.3	20
Dibenz(a,h)anthracene	A	50.00	50.51	0.7499236	0.7575448		1.0	20
Dibenzofuran	A	50.00	54.79	1.585336	1.737068		9.6	20
Di-n-butylphthalate	A	50.00	51.56	1.457854	1.503413		3.1	20
2,4-Dichlorophenol	A	50.00	49.83	0.2563334	0.2554505		-0.3	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/30/11
Lab Sample ID:	2A00403-ICV1	Injection Time:	23:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diethylphthalate	A	50.00	50.45	1.329046	1.341019		0.9	20
2,4-Dimethylphenol	A	50.00	50.29	0.3391011	0.3410534		0.6	20
Dimethyl phthalate	A	50.00	49.65	1.281605	1.272587		-0.7	20
4,6-Dinitro-2-methylphenol	L	50.00	52.50	0.1308033	0.1602606		5.0	20
2,4-Dinitrophenol	L	50.00	52.90	0.1342077	0.183661	0.05	5.8	20
2,4-Dinitrotoluene	A	50.00	50.12	0.3991603	0.4001014		0.2	20
2,6-Dinitrotoluene	A	50.00	49.08	0.3432151	0.3368786		-1.8	20
Di-n-octylphthalate	A	50.00	54.52	2.199959	2.399044		9.0	20
1,2-Diphenylhydrazine	A	50.00	50.92	1.250091	1.273108		1.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	49.61	1.029412	1.02143		-0.8	20
Fluoranthene	A	50.00	52.52	0.9734703	1.022607		5.0	20
Fluorene	A	50.00	50.51	1.170904	1.182759		1.0	20
Hexachlorobenzene	A	50.00	53.73	0.2272748	0.2442236		7.5	20
Hexachlorobutadiene	A	50.00	56.42	0.135334	0.1527227		12.8	20
Hexachlorocyclopentadiene	A	50.00	50.06	0.3297929	0.3301845	0.05	0.1	20
Hexachloroethane	A	50.00	50.48	0.6102199	0.6160731		1.0	20
Indeno(1,2,3-cd)pyrene	L	50.00	45.98	0.7734396	0.783849		-8.0	20
Isophorone	A	50.00	46.86	0.7695091	0.7211894		-6.3	20
1-Methylnaphthalene	A	50.00	51.25	0.4507234	0.4619524		2.5	20
2-Methylnaphthalene	A	50.00	51.08	0.4613311	0.4712972		2.2	20
2-Methylphenol	A	50.00	49.70	1.398422	1.390148		-0.6	20
3-Methylphenol/4-Methylphenol	A	50.00	49.27	1.45699	1.435763		-1.5	20
Naphthalene	A	50.00	58.20	0.9800656	1.140861		16.4	20
4-Nitroaniline	A	50.00	51.52	0.3182299	0.32792		3.0	20
3-Nitroaniline	A	50.00	48.55	0.404249	0.3925345		-2.9	20
2-Nitroaniline	A	50.00	48.81	0.3824914	0.3733786		-2.4	20
Nitrobenzene	A	50.00	47.06	0.4063072	0.3823958		-5.9	20
4-Nitrophenol	A	50.00	49.62	0.2351108	0.2333269	0.05	-0.8	20
2-Nitrophenol	A	50.00	49.93	0.1977099	0.1974347		-0.1	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/30/11
Lab Sample ID:	2A00403-ICV1	Injection Time:	23:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	55.63	0.69643	0.7747991		11.3	20
N-Nitroso-di-n-propylamine	A	50.00	49.63	1.045797	1.037993	0.05	-0.7	20
Phenanthrene	A	50.00	55.98	1.107039	1.239488		12.0	20
Phenol	A	50.00	47.49	2.261301	2.147599		-5.0	20
Pyrene	A	50.00	47.93	1.342739	1.287092		-4.1	20
2,4,6-Trichlorophenol	A	50.00	51.90	0.3831938	0.3977298		3.8	20
2,4,5-Trichlorophenol	A	50.00	51.88	0.3982144	0.4131629		3.8	20
2-Fluorobiphenyl	A	50.00	48.66	1.404181	1.366539		-2.7	20
2-Fluorophenol	A	100.0	103.1	1.444881	1.489152		3.1	20
Nitrobenzene-d5	A	50.00	47.34	0.4181133	0.395903		-5.3	20
Phenol-d6	A	100.0	96.22	1.927991	1.855071		-3.8	20
Terphenyl-d14	A	50.00	47.45	0.8224102	0.7805193		-5.1	20
2,4,6-Tribromophenol	A	100.0	102.9	0.113548	0.1167934		2.9	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV2.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	12/31/11
Lab Sample ID:	2A00403-ICV2	Injection Time:	00:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	54.75	1.038294	1.136978		9.5	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV5.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	01/03/12
Lab Sample ID:	2A00403-ICV3	Injection Time:	14:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pentachlorophenol	A	50.00	44.64	0.1634369	0.1459306		-10.7	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-ICV6.D	Calibration Date:	12/30/11 00:00
Sequence:	2A00403	Injection Date:	01/03/12
Lab Sample ID:	2A00403-ICV4	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzidine	A	50.00	47.17	0.6667575	0.6290054		-5.7	20
3,3'-Dichlorobenzidine	A	50.00	41.10	0.38928	0.320016		-17.8	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B04901	Injection Date:	02/17/12
Lab Sample ID:	2B04901-ICV1	Injection Time:	22:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	53.21	1.16059	1.23502		6.4	20
Acenaphthylene	A	50.00	54.80	1.931371	2.116816		9.6	20
Anthracene	A	50.00	51.21	1.103275	1.129939		2.4	20
Benzo(a)anthracene	A	50.00	51.86	1.152131	1.195103		3.7	20
Benzo(a)pyrene	A	50.00	52.97	1.007905	1.067677		5.9	20
Benzo(b)fluoranthene	A	50.00	51.75	1.182679	1.224122		3.5	20
Benzo(g,h,i)perylene	A	50.00	48.95	0.7814949	0.7650268		-2.1	20
Benzoic acid	A	50.00	58.55	0.2405269	0.281651		17.1	20
Benzo(k)fluoranthene	A	50.00	55.92	1.198664	1.340672		11.8	20
4-Bromophenyl-phenylether	A	50.00	50.84	0.2146923	0.2182783		1.7	20
Butylbenzylphthalate	A	50.00	53.57	0.7877604	0.8440553		7.1	20
Carbazole	A	50.00	51.56	1.029032	1.061173		3.1	20
4-Chloro-3-methylphenol	A	50.00	53.76	0.2677559	0.2879144		7.5	20
4-Chloroaniline	A	50.00	53.64	0.4212397	0.4518783		7.3	20
Bis(2-chloroethoxy)methane	A	50.00	53.85	0.4425268	0.4766271		7.7	20
Bis(2-chloroethyl)ether	A	50.00	56.13	1.489784	1.672427		12.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.65	2.046488	2.277684		11.3	20
2-Chloronaphthalene	A	50.00	52.41	1.216702	1.275418		4.8	20
2-Chlorophenol	A	50.00	55.65	1.451974	1.616033		11.3	20
4-Chlorophenyl phenyl ether	A	50.00	50.48	0.5900974	0.5957185		1.0	20
Chrysene	A	50.00	53.28	1.048386	1.117206		6.6	20
Dibenz(a,h)anthracene	A	50.00	52.07	0.7877702	0.8204519		4.1	20
Dibenzofuran	A	50.00	53.34	1.657947	1.76864		6.7	20
Di-n-butylphthalate	A	50.00	50.65	1.431001	1.44951		1.3	20
2,4-Dichlorophenol	A	50.00	52.86	0.2671797	0.2824537		5.7	20
Diethylphthalate	A	50.00	50.92	1.519219	1.547147		1.8	20
2,4-Dimethylphenol	A	50.00	52.90	0.3315046	0.3507421		5.8	20
Dimethyl phthalate	A	50.00	50.39	1.343635	1.35416		0.8	20
4,6-Dinitro-2-methylphenol	L	50.00	55.64	0.1585178	0.1875758		11.3	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B04901	Injection Date:	02/17/12
Lab Sample ID:	2B04901-ICV1	Injection Time:	22:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	54.66	0.206192	0.2696318	0.05	9.3	20
2,4-Dinitrotoluene	A	50.00	52.77	0.521052	0.5498706		5.5	20
2,6-Dinitrotoluene	A	50.00	55.94	0.3967176	0.4438555		11.9	20
Di-n-octylphthalate	A	50.00	54.79	2.209015	2.420506		9.6	20
1,2-Diphenylhydrazine	A	50.00	54.95	0.9459381	1.039594		9.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	52.15	1.098864	1.146069		4.3	20
Fluoranthene	A	50.00	49.32	1.03856	1.024403		-1.4	20
Fluorene	A	50.00	49.06	1.297136	1.272706		-1.9	20
Hexachlorobenzene	A	50.00	48.58	0.2693626	0.261722		-2.8	20
Hexachlorobutadiene	A	50.00	55.63	0.1602586	0.1783178		11.3	20
Hexachlorocyclopentadiene	A	50.00	53.24	0.3304642	0.3518934	0.05	6.5	20
Hexachloroethane	A	50.00	52.21	0.5511715	0.5755202		4.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.73	0.7943706	0.8059		1.5	20
Isophorone	A	50.00	52.90	0.709806	0.750991		5.8	20
1-Methylnaphthalene	A	50.00	52.26	0.4588489	0.4795628		4.5	20
2-Methylnaphthalene	A	50.00	50.62	0.4643082	0.470095		1.2	20
2-Methylphenol	A	50.00	56.57	1.170228	1.323917		13.1	20
3-Methylphenol/4-Methylphenol	A	50.00	50.42	1.229111	1.239536		0.8	20
Naphthalene	A	50.00	54.36	0.9644021	1.048441		8.7	20
4-Nitroaniline	A	50.00	57.05	0.3695132	0.4216066		14.1	20
3-Nitroaniline	A	50.00	56.29	0.4095054	0.4609842		12.6	20
2-Nitroaniline	A	50.00	58.43	0.3596564	0.420301		16.9	20
Nitrobenzene	A	50.00	50.93	0.3567881	0.3634538		1.9	20
4-Nitrophenol	A	50.00	56.02	0.2316481	0.2595156	0.05	12.0	20
2-Nitrophenol	A	50.00	53.94	0.2117473	0.2284214		7.9	20
N-Nitrosodiphenylamine	A	50.00	51.58	0.6232956	0.6430203		3.2	20
N-Nitroso-di-n-propylamine	A	50.00	53.25	0.8744148	0.9312708	0.05	6.5	20
Pentachlorophenol	A	50.00	59.18	0.176134	0.2084551		18.4	20
Phenanthrene	A	50.00	49.58	1.0766	1.067457		-0.8	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B04901	Injection Date:	02/17/12
Lab Sample ID:	2B04901-ICV1	Injection Time:	22:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Phenol	A	50.00	57.22	1.818861	2.081687		14.5	20
Pyrene	A	50.00	52.38	1.388531	1.454607		4.8	20
2,4,6-Trichlorophenol	A	50.00	53.86	0.4236546	0.4563313		7.7	20
2,4,5-Trichlorophenol	A	50.00	56.01	0.4209953	0.4716288		12.0	20
2-Fluorobiphenyl	A	50.00	55.59	1.254622	1.394967		11.2	20
2-Fluorophenol	A	100.0	111.2	1.19198	1.325707		11.2	20
Nitrobenzene-d5	A	50.00	56.07	0.3391874	0.3803335		12.1	20
Phenol-d6	A	100.0	102.2	1.579612	1.614495		2.2	20
Terphenyl-d14	A	50.00	59.54	0.8105471	0.9651416		19.1	20
2,4,6-Tribromophenol	A	100.0	99.49	0.1363191	0.1356217		-0.5	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	02/17/12 00:00
Sequence:	2B04901	Injection Date:	02/17/12
Lab Sample ID:	2B04901-ICV2	Injection Time:	23:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	49.49	1.744673	1.726757		-1.0	20
Atrazine	A	50.00	48.50	0.2115523	0.2052034		-3.0	20
Benzidine	A	50.00	41.60	0.8220668	0.6840197		-16.8	20
1,1-Biphenyl	A	50.00	50.51	1.433709	1.448346		1.0	20
Caprolactam	A	50.00	53.36	0.1124745	0.1200377		6.7	20
3,3'-Dichlorobenzidine	A	50.00	49.19	0.4155803	0.4088523		-1.6	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-ICV5.D	Calibration Date:	02/17/12 00:00
Sequence:	2B04901	Injection Date:	02/18/12
Lab Sample ID:	2B04901-ICV3	Injection Time:	12:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	50.03	1.097219	1.097888		0.06	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04104	Injection Date:	02/08/12
Lab Sample ID:	2B04104-CCV1	Injection Time:	13:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.44	1.173936	1.25479		6.9	20
Acenaphthylene	A	50.00	56.96	1.979927	2.255628		13.9	20
Acetophenone	A	50.00	55.25	1.736397	1.918711		10.5	20
Anthracene	A	50.00	50.12	1.133848	1.136685		0.3	20
Atrazine	A	50.00	53.10	0.1857409	0.197269		6.2	20
Benzaldehyde	A	50.00	46.36	1.038294	0.9626161		-7.3	20
Benzidine	A	50.00	61.61	0.6667575	0.8216112		23.2	20 *
Benzo(a)anthracene	A	50.00	55.50	1.072944	1.190979		11.0	20
Benzo(a)pyrene	A	50.00	46.87	1.090257	1.02207		-6.3	20
Benzo(b)fluoranthene	A	50.00	47.07	1.298967	1.22293		-5.9	20
Benzo(g,h,i)perylene	A	50.00	60.14	0.7081349	0.8517019		20.3	20 *
Benzoic acid	A	50.00	56.40	0.2474039	0.279076		12.8	20
Benzo(k)fluoranthene	A	50.00	49.33	1.275933	1.258946		-1.3	20
1,1-Biphenyl	A	50.00	48.05	1.385782	1.331717		-3.9	20
4-Bromophenyl-phenylether	A	50.00	52.47	0.208175	0.2184549		4.9	20
Butylbenzylphthalate	A	50.00	53.92	0.7382158	0.7960239		7.8	20
Caprolactam	A	50.00	55.52	9.442583E-02	0.1048435		11.0	20
Carbazole	A	50.00	53.12	1.006864	1.069775		6.2	20
4-Chloro-3-methylphenol	A	50.00	52.76	0.2679744	0.282758		5.5	20
4-Chloroaniline	A	50.00	55.70	0.4077847	0.4542359		11.4	20
Bis(2-chloroethoxy)methane	A	50.00	46.10	0.5179242	0.4775771		-7.8	20
Bis(2-chloroethyl)ether	A	50.00	44.85	1.758697	1.577672		-10.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	44.63	2.25236	2.010292		-10.7	20
2-Chloronaphthalene	A	50.00	50.75	1.136526	1.153617		1.5	20
2-Chlorophenol	A	50.00	52.05	1.432591	1.491449		4.1	20
4-Chlorophenyl phenyl ether	A	50.00	61.74	0.5044183	0.622819		23.5	20 *
Chrysene	A	50.00	56.47	0.9960148	1.124821		12.9	20
Dibenz(a,h)anthracene	A	50.00	60.44	0.7499236	0.9064723		20.9	20 *
Dibenzofuran	A	50.00	54.68	1.585336	1.733591		9.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04104	Injection Date:	02/08/12
Lab Sample ID:	2B04104-CCV1	Injection Time:	13:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	51.49	1.457854	1.501441		3.0	20
3,3'-Dichlorobenzidine	A	50.00	55.19	0.38928	0.429707		10.4	20
2,4-Dichlorophenol	A	50.00	55.27	0.2563334	0.2833536		10.5	20
Diethylphthalate	A	50.00	57.28	1.329046	1.522535		14.6	20
2,4-Dimethylphenol	A	50.00	51.02	0.3391011	0.3460006		2.0	20
Dimethyl phthalate	A	50.00	57.68	1.281605	1.478338		15.4	20
4,6-Dinitro-2-methylphenol	L	50.00	54.87	0.1308033	0.1683244		9.7	20
2,4-Dinitrophenol	L	50.00	64.76	0.1342077	0.2287815	0.05	29.5	20 *
2,4-Dinitrotoluene	A	50.00	61.58	0.3991603	0.4916393		23.2	20 *
2,6-Dinitrotoluene	A	50.00	58.25	0.3432151	0.3998572		16.5	20
Di-n-octylphthalate	A	50.00	50.42	2.199959	2.21824		0.8	20
1,2-Diphenylhydrazine	A	50.00	41.48	1.250091	1.037005		-17.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.78	1.029412	1.127773		9.6	20
Fluoranthene	A	50.00	52.93	0.9734703	1.030603		5.9	20
Fluorene	A	50.00	57.77	1.170904	1.352778		15.5	20
Hexachlorobenzene	A	50.00	63.57	0.2272748	0.2889525		27.1	20 *
Hexachlorobutadiene	A	50.00	68.65	0.135334	0.1858164		37.3	20 *
Hexachlorocyclopentadiene	A	50.00	67.53	0.3297929	0.4454234	0.05	35.1	20 *
Hexachloroethane	A	50.00	52.82	0.6102199	0.6445868		5.6	20
Indeno(1,2,3-cd)pyrene	L	50.00	54.36	0.7734396	0.9426191		8.7	20
Isophorone	A	50.00	48.10	0.7695091	0.7402713		-3.8	20
1-Methylnaphthalene	A	50.00	58.11	0.4507234	0.5238575		16.2	20
2-Methylnaphthalene	A	50.00	57.61	0.4613311	0.5315572		15.2	20
2-Methylphenol	A	50.00	47.42	1.398422	1.326344		-5.2	20
3-Methylphenol/4-Methylphenol	A	50.00	46.75	1.45699	1.36228		-6.5	20
Naphthalene	A	50.00	57.76	0.9800656	1.132289		15.5	20
4-Nitroaniline	A	50.00	55.78	0.3182299	0.3550279		11.6	20
3-Nitroaniline	A	50.00	53.68	0.404249	0.4339767		7.4	20
2-Nitroaniline	A	50.00	48.86	0.3824914	0.3737756		-2.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04104	Injection Date:	02/08/12
Lab Sample ID:	2B04104-CCV1	Injection Time:	13:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	45.55	0.4063072	0.3701319		-8.9	20
4-Nitrophenol	A	50.00	53.96	0.2351108	0.2537164	0.05	7.9	20
2-Nitrophenol	A	50.00	53.87	0.1977099	0.2130123		7.7	20
N-Nitrosodiphenylamine	A	50.00	49.42	0.69643	0.688348		-1.2	20
N-Nitroso-di-n-propylamine	A	50.00	47.16	1.045797	0.9864404	0.05	-5.7	20
Pentachlorophenol	A	50.00	58.74	0.1634369	0.1920213		17.5	20
Phenanthrene	A	50.00	53.76	1.107039	1.190383		7.5	20
Phenol	A	50.00	45.60	2.261301	2.062525		-8.8	20
Pyrene	A	50.00	55.43	1.342739	1.488604		10.9	20
2,4,6-Trichlorophenol	A	50.00	59.94	0.3831938	0.4593358		19.9	20
2,4,5-Trichlorophenol	A	50.00	59.99	0.3982144	0.4777877		20.0	20
2-Fluorobiphenyl	A	50.00	52.99	1.404181	1.488274		6.0	20
2-Fluorophenol	A	100.0	95.03	1.444881	1.373105		-5.0	20
Nitrobenzene-d5	A	50.00	46.74	0.4181133	0.3908851		-6.5	20
Phenol-d6	A	100.0	90.26	1.927991	1.740166		-9.7	20
Terphenyl-d14	A	50.00	55.45	0.8224102	0.9120821		10.9	20
2,4,6-Tribromophenol	A	100.0	139.2	0.113548	0.158062		39.2	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04202	Injection Date:	02/10/12
Lab Sample ID:	2B04202-CCV1	Injection Time:	13:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	49.78	1.173936	1.168757		-0.4	20
Acenaphthylene	A	50.00	54.37	1.979927	2.152873		8.7	20
Acetophenone	A	50.00	54.13	1.736397	1.879703		8.3	20
Anthracene	A	50.00	50.98	1.133848	1.155996		2.0	20
Atrazine	A	50.00	52.00	0.1857409	0.1931666		4.0	20
Benzaldehyde	A	50.00	30.12	1.038294	0.625521		-39.8	20 *
Benzidine	A	50.00	55.69	0.6667575	0.74269		11.4	20
Benzo(a)anthracene	A	50.00	59.24	1.072944	1.271155		18.5	20
Benzo(a)pyrene	A	50.00	45.88	1.090257	1.000326		-8.2	20
Benzo(b)fluoranthene	A	50.00	47.85	1.298967	1.24308		-4.3	20
Benzo(g,h,i)perylene	A	50.00	53.99	0.7081349	0.7646623		8.0	20
Benzoic acid	A	50.00	53.13	0.2474039	0.2628794		6.3	20
Benzo(k)fluoranthene	A	50.00	47.26	1.275933	1.205903		-5.5	20
1,1-Biphenyl	A	50.00	43.09	1.385782	1.194323		-13.8	20
4-Bromophenyl-phenylether	A	50.00	48.82	0.208175	0.2032428		-2.4	20
Butylbenzylphthalate	A	50.00	55.80	0.7382158	0.8238148		11.6	20
Caprolactam	A	50.00	56.38	9.442583E-02	0.1064834		12.8	20
Carbazole	A	50.00	52.62	1.006864	1.059592		5.2	20
4-Chloro-3-methylphenol	A	50.00	49.04	0.2679744	0.262837		-1.9	20
4-Chloroaniline	A	50.00	41.12	0.4077847	0.3353995		-17.8	20
Bis(2-chloroethoxy)methane	A	50.00	44.01	0.5179242	0.4558465		-12.0	20
Bis(2-chloroethyl)ether	A	50.00	44.79	1.758697	1.575429		-10.4	20
2,2'-Oxybis-1-chloropropane	A	50.00	37.15	2.25236	1.673412		-25.7	20 *
2-Chloronaphthalene	A	50.00	46.29	1.136526	1.052283		-7.4	20
2-Chlorophenol	A	50.00	54.37	1.432591	1.557848		8.7	20
4-Chlorophenyl phenyl ether	A	50.00	47.28	0.5044183	0.4769624		-5.4	20
Chrysene	A	50.00	55.97	0.9960148	1.114866		11.9	20
Dibenz(a,h)anthracene	A	50.00	53.90	0.7499236	0.8083581		7.8	20
Dibenzofuran	A	50.00	53.18	1.585336	1.686332		6.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04202	Injection Date:	02/10/12
Lab Sample ID:	2B04202-CCV1	Injection Time:	13:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	47.78	1.457854	1.393032		-4.4	20	
3,3'-Dichlorobenzidine	A	50.00	52.53	0.38928	0.40896		5.1	20	
2,4-Dichlorophenol	A	50.00	52.01	0.2563334	0.266631		4.0	20	
Diethylphthalate	A	50.00	51.52	1.329046	1.369405		3.0	20	
2,4-Dimethylphenol	A	50.00	48.76	0.3391011	0.3306954		-2.5	20	
Dimethyl phthalate	A	50.00	52.28	1.281605	1.340016		4.6	20	
4,6-Dinitro-2-methylphenol	L	50.00	56.56	0.1308033	0.1740681		13.1	20	
2,4-Dinitrophenol	L	50.00	65.45	0.1342077	0.231409	0.05	30.9	20	*
2,4-Dinitrotoluene	A	50.00	65.60	0.3991603	0.5236751		31.2	20	*
2,6-Dinitrotoluene	A	50.00	59.54	0.3432151	0.4087237		19.1	20	
Di-n-octylphthalate	A	50.00	45.18	2.199959	1.987669		-9.6	20	
1,2-Diphenylhydrazine	A	50.00	42.36	1.250091	1.059123		-15.3	20	
Bis(2-ethylhexyl)phthalate	A	50.00	51.39	1.029412	1.058081		2.8	20	
Fluoranthene	A	50.00	49.79	0.9734703	0.9694359		-0.4	20	
Fluorene	A	50.00	45.96	1.170904	1.076224		-8.1	20	
Hexachlorobenzene	A	50.00	64.27	0.2272748	0.2921447		28.5	20	*
Hexachlorobutadiene	A	50.00	56.30	0.135334	0.1523921		12.6	20	
Hexachlorocyclopentadiene	A	50.00	58.63	0.3297929	0.3867077	0.05	17.3	20	
Hexachloroethane	A	50.00	48.91	0.6102199	0.596873		-2.2	20	
Indeno(1,2,3-cd)pyrene	L	50.00	46.97	0.7734396	0.8025732		-6.1	20	
Isophorone	A	50.00	44.18	0.7695091	0.6798763		-11.6	20	
1-Methylnaphthalene	A	50.00	53.02	0.4507234	0.477967		6.0	20	
2-Methylnaphthalene	A	50.00	51.86	0.4613311	0.4785385		3.7	20	
2-Methylphenol	A	50.00	44.64	1.398422	1.248657		-10.7	20	
3-Methylphenol/4-Methylphenol	A	50.00	40.76	1.45699	1.187723		-18.5	20	
Naphthalene	A	50.00	51.11	0.9800656	1.001768		2.2	20	
4-Nitroaniline	A	50.00	51.45	0.3182299	0.3274702		2.9	20	
3-Nitroaniline	A	50.00	50.93	0.404249	0.4117739		1.9	20	
2-Nitroaniline	A	50.00	46.30	0.3824914	0.3541777		-7.4	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04202	Injection Date:	02/10/12
Lab Sample ID:	2B04202-CCV1	Injection Time:	13:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	43.74	0.4063072	0.355468		-12.5	20
4-Nitrophenol	A	50.00	49.67	0.2351108	0.2335403	0.05	-0.7	20
2-Nitrophenol	A	50.00	55.12	0.1977099	0.217948		10.2	20
N-Nitrosodiphenylamine	A	50.00	44.94	0.69643	0.6259097		-10.1	20
N-Nitroso-di-n-propylamine	A	50.00	41.70	1.045797	0.8722796	0.05	-16.6	20
Pentachlorophenol	A	50.00	58.29	0.1634369	0.1905259		16.6	20
Phenanthrene	A	50.00	50.64	1.107039	1.1211		1.3	20
Phenol	A	50.00	41.08	2.261301	1.858116		-17.8	20
Pyrene	A	50.00	61.17	1.342739	1.64277		22.3	20 *
2,4,6-Trichlorophenol	A	50.00	61.73	0.3831938	0.4730871		23.5	20 *
2,4,5-Trichlorophenol	A	50.00	57.29	0.3982144	0.4563045		14.6	20
2-Fluorobiphenyl	A	50.00	51.81	1.404181	1.455057		3.6	20
2-Fluorophenol	A	100.0	89.54	1.444881	1.293761		-10.5	20
Nitrobenzene-d5	A	50.00	44.15	0.4181133	0.3692174		-11.7	20
Phenol-d6	A	100.0	83.08	1.927991	1.601836		-16.9	20
Terphenyl-d14	A	50.00	58.95	0.8224102	0.9696291		17.9	20
2,4,6-Tribromophenol	A	100.0	136.2	0.113548	0.1546923		36.2	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04613	Injection Date:	02/13/12
Lab Sample ID:	2B04613-CCV1	Injection Time:	14:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	47.76	1.173936	1.121306		-4.5	20
Acenaphthylene	A	50.00	48.77	1.979927	1.93127		-2.5	20
Acetophenone	A	50.00	46.24	1.736397	1.606002		-7.5	20
Anthracene	A	50.00	46.77	1.133848	1.0606		-6.5	20
Atrazine	A	50.00	44.76	0.1857409	0.1662724		-10.5	20
Benzaldehyde	A	50.00	24.59	1.038294	0.5107155		-50.8	20 *
Benzidine	A	50.00	41.12	0.6667575	0.5482811		-17.8	20
Benzo(a)anthracene	A	50.00	53.66	1.072944	1.151454		7.3	20
Benzo(a)pyrene	A	50.00	44.48	1.090257	0.9699028		-11.0	20
Benzo(b)fluoranthene	A	50.00	44.74	1.298967	1.16232		-10.5	20
Benzo(g,h,i)perylene	A	50.00	53.61	0.7081349	0.7592158		7.2	20
Benzoic acid	A	50.00	40.91	0.2474039	0.2024141		-18.2	20
Benzo(k)fluoranthene	A	50.00	42.75	1.275933	1.090844		-14.5	20
1,1-Biphenyl	A	50.00	44.61	1.385782	1.236404		-10.8	20
4-Bromophenyl-phenylether	A	50.00	48.76	0.208175	0.2030244		-2.5	20
Butylbenzylphthalate	A	50.00	50.79	0.7382158	0.7499445		1.6	20
Caprolactam	A	50.00	42.76	9.442583E-02	8.075385E-02		-14.5	20
Carbazole	A	50.00	49.34	1.006864	0.9936381		-1.3	20
4-Chloro-3-methylphenol	A	50.00	43.77	0.2679744	0.2345648		-12.5	20
4-Chloroaniline	A	50.00	44.64	0.4077847	0.3641047		-10.7	20
Bis(2-chloroethoxy)methane	A	50.00	40.59	0.5179242	0.4204807		-18.8	20
Bis(2-chloroethyl)ether	A	50.00	40.10	1.758697	1.410315		-19.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	40.37	2.25236	1.818708		-19.3	20
2-Chloronaphthalene	A	50.00	44.41	1.136526	1.009478		-11.2	20
2-Chlorophenol	A	50.00	50.10	1.432591	1.435316		0.2	20
4-Chlorophenyl phenyl ether	A	50.00	54.69	0.5044183	0.5517441		9.4	20
Chrysene	A	50.00	53.00	0.9960148	1.055753		6.0	20
Dibenz(a,h)anthracene	A	50.00	53.71	0.7499236	0.8055145		7.4	20
Dibenzofuran	A	50.00	50.82	1.585336	1.611404		1.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04613	Injection Date:	02/13/12
Lab Sample ID:	2B04613-CCV1	Injection Time:	14:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	48.71	1.457854	1.420139		-2.6	20	
3,3'-Dichlorobenzidine	A	50.00	46.47	0.38928	0.3618253		-7.1	20	
2,4-Dichlorophenol	A	50.00	52.13	0.2563334	0.2672562		4.3	20	
Diethylphthalate	A	50.00	51.78	1.329046	1.376342		3.6	20	
2,4-Dimethylphenol	A	50.00	45.06	0.3391011	0.3055789		-9.9	20	
Dimethyl phthalate	A	50.00	52.55	1.281605	1.346874		5.1	20	
4,6-Dinitro-2-methylphenol	L	50.00	51.40	0.1308033	0.1565498		2.8	20	
2,4-Dinitrophenol	L	50.00	55.65	0.1342077	0.19411	0.05	11.3	20	
2,4-Dinitrotoluene	A	50.00	58.42	0.3991603	0.4663791		16.8	20	
2,6-Dinitrotoluene	A	50.00	56.75	0.3432151	0.3895443		13.5	20	
Di-n-octylphthalate	A	50.00	40.14	2.199959	1.765928		-19.7	20	
1,2-Diphenylhydrazine	A	50.00	35.73	1.250091	0.8934386		-28.5	20	*
Bis(2-ethylhexyl)phthalate	A	50.00	50.33	1.029412	1.036229		0.7	20	
Fluoranthene	A	50.00	49.54	0.9734703	0.9645479		-0.9	20	
Fluorene	A	50.00	54.41	1.170904	1.274159		8.8	20	
Hexachlorobenzene	A	50.00	53.44	0.2272748	0.2428921		6.9	20	
Hexachlorobutadiene	A	50.00	56.43	0.135334	0.1527367		12.9	20	
Hexachlorocyclopentadiene	A	50.00	48.98	0.3297929	0.3230985	0.05	-2.0	20	
Hexachloroethane	A	50.00	46.72	0.6102199	0.5702103		-6.6	20	
Indeno(1,2,3-cd)pyrene	L	50.00	45.48	0.7734396	0.7743905		-9.0	20	
Isophorone	A	50.00	41.04	0.7695091	0.6316169		-17.9	20	
1-Methylnaphthalene	A	50.00	49.13	0.4507234	0.4428994		-1.7	20	
2-Methylnaphthalene	A	50.00	49.02	0.4613311	0.4523002		-2.0	20	
2-Methylphenol	A	50.00	41.65	1.398422	1.16479		-16.7	20	
3-Methylphenol/4-Methylphenol	A	50.00	41.16	1.45699	1.1994		-17.7	20	
Naphthalene	A	50.00	48.88	0.9800656	0.9582161		-2.2	20	
4-Nitroaniline	A	50.00	57.62	0.3182299	0.3667445		15.2	20	
3-Nitroaniline	A	50.00	52.60	0.404249	0.4252778		5.2	20	
2-Nitroaniline	A	50.00	41.47	0.3824914	0.317251		-17.1	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04613	Injection Date:	02/13/12
Lab Sample ID:	2B04613-CCV1	Injection Time:	14:56

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	39.80	0.4063072	0.3234664		-20.4	20 *
4-Nitrophenol	A	50.00	44.81	0.2351108	0.2107163	0.05	-10.4	20
2-Nitrophenol	A	50.00	50.48	0.1977099	0.1996068		1.0	20
N-Nitrosodiphenylamine	A	50.00	46.00	0.69643	0.6406658		-8.0	20
N-Nitroso-di-n-propylamine	A	50.00	39.06	1.045797	0.8170584	0.05	-21.9	20 *
Pentachlorophenol	A	50.00	54.51	0.1634369	0.1781782		9.0	20
Phenanthrene	A	50.00	46.41	1.107039	1.027493		-7.2	20
Phenol	A	50.00	41.53	2.261301	1.878141		-16.9	20
Pyrene	A	50.00	51.87	1.342739	1.392981		3.7	20
2,4,6-Trichlorophenol	A	50.00	57.27	0.3831938	0.4388937		14.5	20
2,4,5-Trichlorophenol	A	50.00	54.74	0.3982144	0.4359605		9.5	20
2-Fluorobiphenyl	A	50.00	46.91	1.404181	1.317417		-6.2	20
2-Fluorophenol	A	100.0	83.37	1.444881	1.204622		-16.6	20
Nitrobenzene-d5	A	50.00	37.10	0.4181133	0.3102272		-25.8	20 *
Phenol-d6	A	100.0	77.30	1.927991	1.490336		-22.7	20 *
Terphenyl-d14	A	50.00	49.02	0.8224102	0.8063074		-2.0	20
2,4,6-Tribromophenol	A	100.0	116.3	0.113548	0.1321054		16.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04614	Injection Date:	02/14/12
Lab Sample ID:	2B04614-CCV1	Injection Time:	12:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	48.43	1.173936	1.136991		-3.1	20
Acenaphthylene	A	50.00	48.75	1.979927	1.930621		-2.5	20
Acetophenone	A	50.00	47.10	1.736397	1.635789		-5.8	20
Anthracene	A	50.00	47.05	1.133848	1.066958		-5.9	20
Atrazine	A	50.00	41.80	0.1857409	0.1552982		-16.4	20
Benzaldehyde	A	50.00	24.49	1.038294	0.5085362		-51.0	20 *
Benzidine	A	50.00	48.36	0.6667575	0.6449673		-3.3	20
Benzo(a)anthracene	A	50.00	53.94	1.072944	1.157599		7.9	20
Benzo(a)pyrene	A	50.00	45.51	1.090257	0.9923893		-9.0	20
Benzo(b)fluoranthene	A	50.00	46.54	1.298967	1.208953		-6.9	20
Benzo(g,h,i)perylene	A	50.00	53.32	0.7081349	0.7551663		6.6	20
Benzoic acid	A	50.00	49.38	0.2474039	0.2443269		-1.2	20
Benzo(k)fluoranthene	A	50.00	45.37	1.275933	1.157901		-9.3	20
1,1-Biphenyl	A	50.00	43.47	1.385782	1.204819		-13.1	20
4-Bromophenyl-phenylether	A	50.00	49.61	0.208175	0.2065695		-0.8	20
Butylbenzylphthalate	A	50.00	52.85	0.7382158	0.7803152		5.7	20
Caprolactam	A	50.00	48.16	9.442583E-02	9.095554E-02		-3.7	20
Carbazole	A	50.00	50.02	1.006864	1.007186		0.03	20
4-Chloro-3-methylphenol	A	50.00	47.46	0.2679744	0.2543629		-5.1	20
4-Chloroaniline	A	50.00	46.72	0.4077847	0.3810029		-6.6	20
Bis(2-chloroethoxy)methane	A	50.00	40.82	0.5179242	0.4227926		-18.4	20
Bis(2-chloroethyl)ether	A	50.00	41.08	1.758697	1.444814		-17.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	42.74	2.25236	1.925243		-14.5	20
2-Chloronaphthalene	A	50.00	43.44	1.136526	0.9875322		-13.1	20
2-Chlorophenol	A	50.00	50.05	1.432591	1.434095		0.1	20
4-Chlorophenyl phenyl ether	A	50.00	56.55	0.5044183	0.5704707		13.1	20
Chrysene	A	50.00	53.27	0.9960148	1.061199		6.5	20
Dibenz(a,h)anthracene	A	50.00	53.30	0.7499236	0.7994331		6.6	20
Dibenzofuran	A	50.00	52.78	1.585336	1.673556		5.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04614	Injection Date:	02/14/12
Lab Sample ID:	2B04614-CCV1	Injection Time:	12:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	51.05	1.457854	1.488493		2.1	20	
3,3'-Dichlorobenzidine	A	50.00	46.65	0.38928	0.3632142		-6.7	20	
2,4-Dichlorophenol	A	50.00	52.18	0.2563334	0.2674844		4.4	20	
Diethylphthalate	A	50.00	54.43	1.329046	1.446729		8.9	20	
2,4-Dimethylphenol	A	50.00	45.83	0.3391011	0.3108498		-8.3	20	
Dimethyl phthalate	A	50.00	53.42	1.281605	1.3694		6.9	20	
4,6-Dinitro-2-methylphenol	L	50.00	56.87	0.1308033	0.17512		13.7	20	
2,4-Dinitrophenol	L	50.00	68.39	0.1342077	0.2425942	0.05	36.8	20	*
2,4-Dinitrotoluene	A	50.00	61.66	0.3991603	0.4922702		23.3	20	*
2,6-Dinitrotoluene	A	50.00	57.73	0.3432151	0.3962563		15.5	20	
Di-n-octylphthalate	A	50.00	46.92	2.199959	2.064682		-6.1	20	
1,2-Diphenylhydrazine	A	50.00	36.91	1.250091	0.9227898		-26.2	20	*
Bis(2-ethylhexyl)phthalate	A	50.00	52.82	1.029412	1.087388		5.6	20	
Fluoranthene	A	50.00	50.58	0.9734703	0.9848596		1.2	20	
Fluorene	A	50.00	54.22	1.170904	1.269755		8.4	20	
Hexachlorobenzene	A	50.00	57.42	0.2272748	0.2610017		14.8	20	
Hexachlorobutadiene	A	50.00	56.37	0.135334	0.1525691		12.7	20	
Hexachlorocyclopentadiene	A	50.00	58.04	0.3297929	0.3828273	0.05	16.1	20	
Hexachloroethane	A	50.00	46.44	0.6102199	0.5667486		-7.1	20	
Indeno(1,2,3-cd)pyrene	L	50.00	46.06	0.7734396	0.7854036		-7.9	20	
Isophorone	A	50.00	42.24	0.7695091	0.6500439		-15.5	20	
1-Methylnaphthalene	A	50.00	51.84	0.4507234	0.4673598		3.7	20	
2-Methylnaphthalene	A	50.00	50.76	0.4613311	0.4683771		1.5	20	
2-Methylphenol	A	50.00	42.12	1.398422	1.177963		-15.8	20	
3-Methylphenol/4-Methylphenol	A	50.00	41.19	1.45699	1.200159		-17.6	20	
Naphthalene	A	50.00	50.82	0.9800656	0.9961705		1.6	20	
4-Nitroaniline	A	50.00	59.44	0.3182299	0.3783014		18.9	20	
3-Nitroaniline	A	50.00	52.63	0.404249	0.4254976		5.3	20	
2-Nitroaniline	A	50.00	41.78	0.3824914	0.3196248		-16.4	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2004002
Lab File ID:	SEQ-CCV1.D	Calibration Date:	12/30/11 00:00
Sequence:	2B04614	Injection Date:	02/14/12
Lab Sample ID:	2B04614-CCV1	Injection Time:	12:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Nitrobenzene	A	50.00	39.12	0.4063072	0.3179029		-21.8	20 *
4-Nitrophenol	A	50.00	49.82	0.2351108	0.2342654	0.05	-0.4	20
2-Nitrophenol	A	50.00	52.76	0.1977099	0.2086112		5.5	20
N-Nitrosodiphenylamine	A	50.00	46.42	0.69643	0.6466284		-7.2	20
N-Nitroso-di-n-propylamine	A	50.00	40.51	1.045797	0.8473813	0.05	-19.0	20
Pentachlorophenol	A	50.00	57.40	0.1634369	0.1876367		14.8	20
Phenanthrene	A	50.00	50.69	1.107039	1.122274		1.4	20
Phenol	A	50.00	38.52	2.261301	1.742043		-23.0	20 *
Pyrene	A	50.00	53.92	1.342739	1.447918		7.8	20
2,4,6-Trichlorophenol	A	50.00	57.19	0.3831938	0.4382896		14.4	20
2,4,5-Trichlorophenol	A	50.00	55.95	0.3982144	0.4456101		11.9	20
2-Fluorobiphenyl	A	50.00	45.95	1.404181	1.290495		-8.1	20
2-Fluorophenol	A	100.0	84.48	1.444881	1.220657		-15.5	20
Nitrobenzene-d5	A	50.00	37.71	0.4181133	0.3153394		-24.6	20 *
Phenol-d6	A	100.0	79.26	1.927991	1.528157		-20.7	20 *
Terphenyl-d14	A	50.00	52.43	0.8224102	0.8624062		4.9	20
2,4,6-Tribromophenol	A	100.0	124.2	0.113548	0.1410229		24.2	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05214	Injection Date:	02/18/12
Lab Sample ID:	2B05214-CCV1	Injection Time:	19:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	48.30	1.16059	1.121203		-3.4	20
Acenaphthylene	A	50.00	50.98	1.931371	1.969124		2.0	20
Anthracene	A	50.00	48.92	1.103275	1.079379		-2.2	20
Benzo(a)anthracene	A	50.00	47.67	1.152131	1.098535		-4.7	20
Benzo(a)pyrene	A	50.00	48.18	1.007905	0.9712522		-3.6	20
Benzo(b)fluoranthene	A	50.00	50.27	1.182679	1.189013		0.5	20
Benzo(g,h,i)perylene	A	50.00	48.54	0.7814949	0.7587198		-2.9	20
Benzoic acid	A	50.00	51.38	0.2405269	0.2471604		2.8	20
Benzo(k)fluoranthene	A	50.00	46.79	1.198664	1.121659		-6.4	20
4-Bromophenyl-phenylether	A	50.00	50.20	0.2146923	0.2155328		0.4	20
Butylbenzylphthalate	A	50.00	50.72	0.7877604	0.7991881		1.5	20
Carbazole	A	50.00	49.06	1.029032	1.009587		-1.9	20
4-Chloro-3-methylphenol	A	50.00	50.42	0.2677559	0.2699804		0.8	20
4-Chloroaniline	A	50.00	51.07	0.4212397	0.43027		2.1	20
Bis(2-chloroethoxy)methane	A	50.00	49.38	0.4425268	0.437019		-1.2	20
Bis(2-chloroethyl)ether	A	50.00	50.92	1.489784	1.51711		1.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	48.91	2.046488	2.001856		-2.2	20
2-Chloronaphthalene	A	50.00	49.58	1.216702	1.206576		-0.8	20
2-Chlorophenol	A	50.00	50.35	1.451974	1.462121		0.7	20
4-Chlorophenyl phenyl ether	A	50.00	46.28	0.5900974	0.5462087		-7.4	20
Chrysene	A	50.00	47.05	1.048386	0.986575		-5.9	20
Dibenz(a,h)anthracene	A	50.00	49.34	0.7877702	0.7774215		-1.3	20
Dibenzofuran	A	50.00	47.81	1.657947	1.585323		-4.4	20
Di-n-butylphthalate	A	50.00	46.45	1.431001	1.329513		-7.1	20
2,4-Dichlorophenol	A	50.00	50.70	0.2671797	0.2709059		1.4	20
Diethylphthalate	A	50.00	46.72	1.519219	1.419492		-6.6	20
2,4-Dimethylphenol	A	50.00	49.97	0.3315046	0.3313231		-0.05	20
Dimethyl phthalate	A	50.00	47.00	1.343635	1.262915		-6.0	20
4,6-Dinitro-2-methylphenol	L	50.00	51.32	0.1585178	0.1723468		2.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05214	Injection Date:	02/18/12
Lab Sample ID:	2B05214-CCV1	Injection Time:	19:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrophenol	L	50.00	45.75	0.206192	0.2209048	0.05	-8.5	20	
2,4-Dinitrotoluene	A	50.00	48.83	0.521052	0.5088279		-2.3	20	
2,6-Dinitrotoluene	A	50.00	50.46	0.3967176	0.400348		0.9	20	
Di-n-octylphthalate	A	50.00	45.96	2.209015	2.030347		-8.1	20	
1,2-Diphenylhydrazine	A	50.00	54.55	0.9459381	1.032078		9.1	20	
Bis(2-ethylhexyl)phthalate	A	50.00	44.83	1.098864	0.9851615		-10.3	20	
Fluoranthene	A	50.00	39.97	1.03856	0.830175		-20.1	20	*
Fluorene	A	50.00	44.93	1.297136	1.165698		-10.1	20	
Hexachlorobenzene	A	50.00	47.52	0.2693626	0.2559978		-5.0	20	
Hexachlorobutadiene	A	50.00	48.98	0.1602586	0.1569986		-2.0	20	
Hexachlorocyclopentadiene	A	50.00	54.29	0.3304642	0.3588122	0.05	8.6	20	
Hexachloroethane	A	50.00	47.89	0.5511715	0.5278825		-4.2	20	
Indeno(1,2,3-cd)pyrene	A	50.00	47.82	0.7943706	0.7596875		-4.4	20	
Isophorone	A	50.00	50.72	0.709806	0.7200834		1.4	20	
1-Methylnaphthalene	A	50.00	49.98	0.4588489	0.4586233		-0.05	20	
2-Methylnaphthalene	A	50.00	49.72	0.4643082	0.4617265		-0.6	20	
2-Methylphenol	A	50.00	49.62	1.170228	1.161308		-0.8	20	
3-Methylphenol/4-Methylphenol	A	50.00	46.07	1.229111	1.132552		-7.9	20	
Naphthalene	A	50.00	47.26	0.9644021	0.9115663		-5.5	20	
4-Nitroaniline	A	50.00	53.76	0.3695132	0.3973073		7.5	20	
3-Nitroaniline	A	50.00	53.60	0.4095054	0.4389742		7.2	20	
2-Nitroaniline	A	50.00	51.34	0.3596564	0.3693138		2.7	20	
Nitrobenzene	A	50.00	51.23	0.3567881	0.3655455		2.5	20	
4-Nitrophenol	A	50.00	52.73	0.2316481	0.2443188	0.05	5.5	20	
2-Nitrophenol	A	50.00	50.78	0.2117473	0.2150525		1.6	20	
N-Nitrosodiphenylamine	A	50.00	53.08	0.6232956	0.6617624		6.2	20	
N-Nitroso-di-n-propylamine	A	50.00	48.20	0.8744148	0.8429105	0.05	-3.6	20	
Pentachlorophenol	A	50.00	53.64	0.176134	0.1889479		7.3	20	
Phenanthrene	A	50.00	46.64	1.0766	1.004271		-6.7	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05214	Injection Date:	02/18/12
Lab Sample ID:	2B05214-CCV1	Injection Time:	19:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	51.75	1.818861	1.882561		3.5	20
Pyrene	A	50.00	63.11	1.388531	1.752586		26.2	20 *
2,4,6-Trichlorophenol	A	50.00	50.31	0.4236546	0.4262692		0.6	20
2,4,5-Trichlorophenol	A	50.00	50.83	0.4209953	0.427977		1.7	20
2-Fluorobiphenyl	A	50.00	49.92	1.254622	1.252702		-0.2	20
2-Fluorophenol	A	100.0	98.31	1.19198	1.171812		-1.7	20
Nitrobenzene-d5	A	50.00	50.53	0.3391874	0.3428084		1.1	20
Phenol-d6	A	100.0	96.81	1.579612	1.529165		-3.2	20
Terphenyl-d14	A	50.00	60.45	0.8105471	0.9798925		20.9	20 *
2,4,6-Tribromophenol	A	100.0	100.7	0.1363191	0.1373262		0.7	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV4.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05214	Injection Date:	02/18/12
Lab Sample ID:	2B05214-CCV2	Injection Time:	20:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.53	1.744673	1.798049		3.1	20
Atrazine	A	50.00	51.25	0.2115523	0.2168273		2.5	20
Benzaldehyde	A	50.00	52.14	1.097219	1.144298		4.3	20
Benzidine	A	50.00	62.52	0.8220668	1.027961		25.0	20 *
1,1-Biphenyl	A	50.00	50.79	1.433709	1.456337		1.6	20
Caprolactam	A	50.00	48.96	0.1124745	0.1101447		-2.1	20
3,3'-Dichlorobenzidine	A	50.00	49.61	0.4155803	0.4123313		-0.8	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_043

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

Matrix: Laboratory ID: 2B07004-BLK1 File ID: B07004B1.D

Sampled: Prepared: Analyzed: 02/08/12 14:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

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	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	X, U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	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	X, 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	X, U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	X, 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_043

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

Matrix: Laboratory ID: 2B07004-BLK1 File ID: B07004B1.D

Sampled: Prepared: Analyzed: 02/08/12 14:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B07004 Sequence: 2B04104 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	Q, X, U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	X, 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
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	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	38.90	77.8	50 - 110	
2-Fluorophenol	100.0	34.47	34.5	20 - 110	
Nitrobenzene-d5	50.00	35.12	70.2	40 - 110	
Phenol-d6	100.0	18.62	18.6	0 - 110	
Terphenyl-d14	50.00	57.38	115	50 - 135	
2,4,6-Tribromophenol	100.0	111.4	111	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B07004-BS1
File ID: B07004L1.D
Sampled:
Prepared:
Analyzed: 02/08/12 14:41
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2B07004
Sequence: 2B04104
Calibration: 2004002
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.70	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.71	1.25	2.50	5.00	
98-86-2	Acetophenone	47.17	1.25	2.50	5.00	
120-12-7	Anthracene	44.10	1.25	2.50	5.00	
1912-24-9	Atrazine	54.61	1.25	2.50	5.00	
100-52-7	Benzaldehyde	45.35	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	53.66	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	41.98	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	45.83	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	51.10	1.25	2.50	5.00	X
65-85-0	Benzoic acid	17.49	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	37.41	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	43.64	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	51.25	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	56.67	1.25	2.50	5.00	
105-60-2	Caprolactam	9.400	1.25	2.50	5.00	
86-74-8	Carbazole	43.68	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	85.45	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	20.86	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	42.11	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	38.10	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.41	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	35.02	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	71.60	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	51.24	1.25	2.50	5.00	X
218-01-9	Chrysene	53.06	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	51.23	1.25	2.50	5.00	X
132-64-9	Dibenzofuran	47.04	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	47.55	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	47.46	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	82.88	1.25	2.50	5.00	
84-66-2	Diethylphthalate	52.48	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	82.78	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	56.41	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	86.84	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	111.9	1.00	25.0	50.0	X, E
121-14-2	2,4-Dinitrotoluene	59.47	1.25	2.50	5.00	X
606-20-2	2,6-Dinitrotoluene	47.96	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	46.20	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B07004-BS1 | File ID: B07004L1.D

Sampled: | Prepared: | Analyzed: 02/08/12 14:41

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B07004 | Sequence: 2B04104 | Calibration: 2004002 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	37.98	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	55.52	1.25	2.50	5.00	
206-44-0	Fluoranthene	46.74	1.25	2.50	5.00	
86-73-7	Fluorene	47.10	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	56.26	1.25	2.50	5.00	X
87-68-3	Hexachlorobutadiene	28.06	1.25	2.50	5.00	X
77-47-4	Hexachlorocyclopentadiene	31.10	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	19.86	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	47.53	1.25	2.50	5.00	
78-59-1	Isophorone	35.80	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	36.27	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	37.29	1.25	2.50	5.00	
95-48-7	2-Methylphenol	55.68	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	52.13	1.25	2.50	5.00	
91-20-3	Naphthalene	37.31	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.06	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	29.22	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	45.70	5.00	10.0	20.0	
98-95-3	Nitrobenzene	36.72	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.48	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	81.46	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	33.76	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	43.38	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	96.94	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.10	1.25	2.50	5.00	
108-95-2	Phenol	20.02	1.25	2.50	5.00	
129-00-0	Pyrene	53.39	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	93.87	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	90.39	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.76	77.5	50 - 110	
2-Fluorophenol	100.0	32.70	32.7	20 - 110	
Nitrobenzene-d5	50.00	33.54	67.1	40 - 110	
Phenol-d6	100.0	18.80	18.8	0 - 110	
Terphenyl-d14	50.00	51.45	103	50 - 135	
2,4,6-Tribromophenol	100.0	100.0	100	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B09015-BLK1 File ID: B09015B1.D

Sampled: Prepared: Analyzed: 02/10/12 13:58

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

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	Q, U
98-86-2	Acetophenone		1.25	2.50	5.00	Q, U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	Q, 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	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	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	Q, U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam	1.90	1.25	2.50	5.00	Q, J
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	Y, 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	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	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	Q, U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Q, X, 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_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B09015-BLK1	File ID:	B09015B1.D
Sampled:		Prepared:		Analyzed:	02/10/12 13:58
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	Q, U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	Q, U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	Q, X, 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
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	Q, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	X, 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	36.12	72.2	50 - 110	
2-Fluorophenol	100.0	17.40	17.4	20 - 110	
Nitrobenzene-d5	50.00	30.08	60.2	40 - 110	
Phenol-d6	100.0	12.08	12.1	0 - 110	
Terphenyl-d14	50.00	58.49	117	50 - 135	
2,4,6-Tribromophenol	100.0	68.50	68.5	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B09015-BS1 | File ID: B09015L1.D

Sampled: | Prepared: | Analyzed: 02/10/12 14:29

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B09015 | Sequence: 2B04202 | Calibration: 2004002 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	54.80	1.25	2.50	5.00	
208-96-8	Acenaphthylene	56.95	1.25	2.50	5.00	
98-86-2	Acetophenone	56.40	1.25	2.50	5.00	
120-12-7	Anthracene	52.68	1.25	2.50	5.00	
1912-24-9	Atrazine	64.48	1.25	2.50	5.00	
100-52-7	Benzaldehyde	53.71	1.25	2.50	5.00	Y
92-87-5	Benzidine	13.92	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	66.98	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	51.54	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	58.73	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	59.89	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	51.37	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	51.57	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	60.16	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	71.71	1.25	2.50	5.00	
105-60-2	Caprolactam	9.155	1.25	2.50	5.00	B
86-74-8	Carbazole	54.92	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	89.16	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	47.33	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	45.02	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	43.67	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.57	1.25	2.50	5.00	Y
91-58-7	2-Chloronaphthalene	47.95	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	68.79	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	60.47	1.25	2.50	5.00	
218-01-9	Chrysene	68.06	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	58.17	1.25	2.50	5.00	
132-64-9	Dibenzofuran	61.65	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	57.68	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	59.09	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	79.90	1.25	2.50	5.00	
84-66-2	Diethylphthalate	63.14	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	90.04	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	66.44	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	59.02	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	64.96	1.00	25.0	50.0	X, E
121-14-2	2,4-Dinitrotoluene	73.65	1.25	2.50	5.00	X
606-20-2	2,6-Dinitrotoluene	59.63	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	64.62	1.25	2.50	5.00	E

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B09015-BS1 | File ID: B09015L1.D

Sampled: | Prepared: | Analyzed: 02/10/12 14:29

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B09015 | Sequence: 2B04202 | Calibration: 2004002 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	44.81	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	64.64	1.25	2.50	5.00	
206-44-0	Fluoranthene	54.15	1.25	2.50	5.00	
86-73-7	Fluorene	57.48	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	65.45	1.25	2.50	5.00	X
87-68-3	Hexachlorobutadiene	40.20	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	44.83	1.25	2.50	5.00	
67-72-1	Hexachloroethane	26.57	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	51.62	1.25	2.50	5.00	
78-59-1	Isophorone	42.51	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	48.30	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	47.74	1.25	2.50	5.00	
95-48-7	2-Methylphenol	57.28	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	51.16	1.25	2.50	5.00	
91-20-3	Naphthalene	45.82	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	63.91	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	51.35	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	54.22	5.00	10.0	20.0	
98-95-3	Nitrobenzene	43.81	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	14.88	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	80.22	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	42.10	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	47.39	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	65.29	5.00	10.0	20.0	
85-01-8	Phenanthrene	57.56	1.25	2.50	5.00	
108-95-2	Phenol	19.04	1.25	2.50	5.00	
129-00-0	Pyrene	64.83	1.25	2.50	5.00	X
88-06-2	2,4,6-Trichlorophenol	78.62	1.25	2.50	5.00	X
95-95-4	2,4,5-Trichlorophenol	85.72	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	47.70	95.4	50 - 110	
2-Fluorophenol	100.0	23.72	23.7	20 - 110	
Nitrobenzene-d5	50.00	37.70	75.4	40 - 110	
Phenol-d6	100.0	16.36	16.4	0 - 110	
Terphenyl-d14	50.00	60.86	122	50 - 135	
2,4,6-Tribromophenol	100.0	86.28	86.3	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B09015-MS1 File ID: 204301M.D

Sampled: Prepared: Analyzed: 02/10/12 21:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	47.47	1.20	2.40	4.81	
208-96-8	Acenaphthylene	49.17	1.20	2.40	4.81	Q
98-86-2	Acetophenone	48.92	1.20	2.40	4.81	Q
120-12-7	Anthracene	50.29	1.20	2.40	4.81	
1912-24-9	Atrazine	62.31	1.20	2.40	4.81	Q
100-52-7	Benzaldehyde	46.62	1.20	2.40	4.81	Y
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene	59.09	1.20	2.40	4.81	Q
50-32-8	Benzo(a)pyrene	48.05	1.20	2.40	4.81	
205-99-2	Benzo(b)fluoranthene	49.09	1.20	2.40	4.81	
191-24-2	Benzo(g,h,i)perylene	54.42	1.20	2.40	4.81	
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene	50.59	1.20	2.40	4.81	
92-52-4	1,1-Biphenyl	42.30	1.20	2.40	4.81	
101-55-3	4-Bromophenyl-phenylether	54.51	1.20	2.40	4.81	Q
85-68-7	Butylbenzylphthalate	65.42	1.20	2.40	4.81	Q
105-60-2	Caprolactam	7.925	1.20	2.40	4.81	Q, B
86-74-8	Carbazole	53.84	1.20	2.40	4.81	
59-50-7	4-Chloro-3-methylphenol	85.07	1.20	2.40	4.81	
106-47-8	4-Chloroaniline	36.86	1.20	2.40	4.81	
111-91-1	Bis(2-chloroethoxy)methane	45.13	1.20	2.40	4.81	
111-44-4	Bis(2-chloroethyl)ether	37.73	1.20	2.40	4.81	
108-60-1	2,2'-Oxybis-1-chloropropane	36.71	1.20	2.40	4.81	Y
91-58-7	2-Chloronaphthalene	40.30	1.20	2.40	4.81	
95-57-8	2-Chlorophenol	62.66	1.20	2.40	4.81	
7005-72-3	4-Chlorophenyl phenyl ether	56.82	1.20	2.40	4.81	Q
218-01-9	Chrysene	61.01	1.20	2.40	4.81	Q
53-70-3	Dibenz(a,h)anthracene	55.13	1.20	2.40	4.81	
132-64-9	Dibenzofuran	52.04	1.20	2.40	4.81	Q
84-74-2	Di-n-butylphthalate	53.43	1.20	2.40	4.81	
91-94-1	3,3'-Dichlorobenzidine	45.78	1.20	2.40	4.81	Q
120-83-2	2,4-Dichlorophenol	76.34	1.20	2.40	4.81	
84-66-2	Diethylphthalate	59.59	1.20	2.40	4.81	Q
105-67-9	2,4-Dimethylphenol	81.68	4.81	9.62	19.2	
131-11-3	Dimethyl phthalate	58.10	1.20	2.40	4.81	Q
534-52-1	4,6-Dinitro-2-methylphenol	69.96	4.81	9.62	19.2	
51-28-5	2,4-Dinitrophenol	57.57	0.962	24.0	48.1	X
121-14-2	2,4-Dinitrotoluene	66.12	1.20	2.40	4.81	Q, X
606-20-2	2,6-Dinitrotoluene	56.81	1.20	2.40	4.81	Q
117-84-0	Di-n-octylphthalate	47.08	1.20	2.40	4.81	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B09015-MS1 File ID: 204301M.D

Sampled: Prepared: Analyzed: 02/10/12 21:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.31	1.20	2.40	4.81	
117-81-7	Bis(2-ethylhexyl)phthalate	54.66	1.20	2.40	4.81	Q
206-44-0	Fluoranthene	53.29	1.20	2.40	4.81	
86-73-7	Fluorene	51.18	1.20	2.40	4.81	Q
118-74-1	Hexachlorobenzene	58.86	1.20	2.40	4.81	Q, X
87-68-3	Hexachlorobutadiene	48.95	1.20	2.40	4.81	
77-47-4	Hexachlorocyclopentadiene	45.08	1.20	2.40	4.81	
67-72-1	Hexachloroethane	30.24	1.20	2.40	4.81	
193-39-5	Indeno(1,2,3-cd)pyrene	47.97	1.20	2.40	4.81	
78-59-1	Isophorone	43.50	1.20	2.40	4.81	
90-12-0	1-Methylnaphthalene	48.66	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	49.86	1.20	2.40	4.81	
95-48-7	2-Methylphenol	45.79	1.20	2.40	4.81	
108-39-4/106	3-Methylphenol/4-Methylphenol	37.65	1.20	2.40	4.81	
91-20-3	Naphthalene	46.01	1.20	2.40	4.81	
100-01-6	4-Nitroaniline	61.36	4.81	9.62	19.2	Q
99-09-2	3-Nitroaniline	39.01	4.81	9.62	19.2	
88-74-4	2-Nitroaniline	49.03	4.81	9.62	19.2	
98-95-3	Nitrobenzene	40.53	1.20	2.40	4.81	
100-02-7	4-Nitrophenol	16.43	4.81	9.62	19.2	J
88-75-5	2-Nitrophenol	84.47	1.20	2.40	4.81	
86-30-6	N-Nitrosodiphenylamine	39.97	1.20	2.40	4.81	
621-64-7	N-Nitroso-di-n-propylamine	39.33	1.20	2.40	4.81	
87-86-5	Pentachlorophenol	74.45	4.81	9.62	19.2	
85-01-8	Phenanthrene	49.28	1.20	2.40	4.81	
108-95-2	Phenol	16.43	1.20	2.40	4.81	
129-00-0	Pyrene	70.26	1.20	2.40	4.81	X
88-06-2	2,4,6-Trichlorophenol	82.15	1.20	2.40	4.81	X
95-95-4	2,4,5-Trichlorophenol	88.46	1.20	2.40	4.81	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	41.24	85.8	50 - 110	
2-Fluorophenol	96.15	22.93	23.8	20 - 110	
Nitrobenzene-d5	48.08	35.63	74.1	40 - 110	
Phenol-d6	96.15	14.24	14.8	0 - 110	
Terphenyl-d14	48.08	62.88	131	50 - 135	
2,4,6-Tribromophenol	96.15	97.39	101	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B09015-MSD1 File ID: 204301S.D

Sampled: Prepared: Analyzed: 02/10/12 22:01

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	47.04	1.20	2.40	4.81	
208-96-8	Acenaphthylene	48.90	1.20	2.40	4.81	Q
98-86-2	Acetophenone	49.98	1.20	2.40	4.81	Q
120-12-7	Anthracene	49.25	1.20	2.40	4.81	
1912-24-9	Atrazine	58.48	1.20	2.40	4.81	Q
100-52-7	Benzaldehyde	48.16	1.20	2.40	4.81	Y
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene	58.16	1.20	2.40	4.81	Q
50-32-8	Benzo(a)pyrene	45.99	1.20	2.40	4.81	
205-99-2	Benzo(b)fluoranthene	46.71	1.20	2.40	4.81	
191-24-2	Benzo(g,h,i)perylene	42.02	1.20	2.40	4.81	
65-85-0	Benzoic acid	12.85	12.0	24.0	48.1	J
207-08-9	Benzo(k)fluoranthene	48.89	1.20	2.40	4.81	
92-52-4	1,1-Biphenyl	40.67	1.20	2.40	4.81	
101-55-3	4-Bromophenyl-phenylether	53.27	1.20	2.40	4.81	Q
85-68-7	Butylbenzylphthalate	62.05	1.20	2.40	4.81	Q
105-60-2	Caprolactam	8.270	1.20	2.40	4.81	Q, B
86-74-8	Carbazole	50.39	1.20	2.40	4.81	
59-50-7	4-Chloro-3-methylphenol	88.45	1.20	2.40	4.81	
106-47-8	4-Chloroaniline	33.68	1.20	2.40	4.81	
111-91-1	Bis(2-chloroethoxy)methane	45.67	1.20	2.40	4.81	
111-44-4	Bis(2-chloroethyl)ether	38.91	1.20	2.40	4.81	
108-60-1	2,2'-Oxybis-1-chloropropane	37.78	1.20	2.40	4.81	Y
91-58-7	2-Chloronaphthalene	38.19	1.20	2.40	4.81	
95-57-8	2-Chlorophenol	72.33	1.20	2.40	4.81	
7005-72-3	4-Chlorophenyl phenyl ether	51.62	1.20	2.40	4.81	Q
218-01-9	Chrysene	58.36	1.20	2.40	4.81	Q
53-70-3	Dibenz(a,h)anthracene	41.81	1.20	2.40	4.81	
132-64-9	Dibenzofuran	50.03	1.20	2.40	4.81	Q
84-74-2	Di-n-butylphthalate	52.76	1.20	2.40	4.81	
91-94-1	3,3'-Dichlorobenzidine	41.22	1.20	2.40	4.81	Q
120-83-2	2,4-Dichlorophenol	91.16	1.20	2.40	4.81	
84-66-2	Diethylphthalate	57.02	1.20	2.40	4.81	Q
105-67-9	2,4-Dimethylphenol	83.75	4.81	9.62	19.2	
131-11-3	Dimethyl phthalate	56.80	1.20	2.40	4.81	Q
534-52-1	4,6-Dinitro-2-methylphenol	81.93	4.81	9.62	19.2	
51-28-5	2,4-Dinitrophenol	81.97	0.962	24.0	48.1	X, E
121-14-2	2,4-Dinitrotoluene	66.54	1.20	2.40	4.81	Q, X
606-20-2	2,6-Dinitrotoluene	56.54	1.20	2.40	4.81	Q
117-84-0	Di-n-octylphthalate	53.04	1.20	2.40	4.81	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B09015-MSD1 File ID: 204301S.D

Sampled: Prepared: Analyzed: 02/10/12 22:01

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B09015 Sequence: 2B04202 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	40.25	1.20	2.40	4.81	
117-81-7	Bis(2-ethylhexyl)phthalate	54.42	1.20	2.40	4.81	Q
206-44-0	Fluoranthene	50.01	1.20	2.40	4.81	
86-73-7	Fluorene	50.40	1.20	2.40	4.81	Q
118-74-1	Hexachlorobenzene	54.77	1.20	2.40	4.81	Q, X
87-68-3	Hexachlorobutadiene	53.53	1.20	2.40	4.81	
77-47-4	Hexachlorocyclopentadiene	42.77	1.20	2.40	4.81	
67-72-1	Hexachloroethane	32.96	1.20	2.40	4.81	
193-39-5	Indeno(1,2,3-cd)pyrene	39.21	1.20	2.40	4.81	
78-59-1	Isophorone	44.65	1.20	2.40	4.81	
90-12-0	1-Methylnaphthalene	49.80	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	51.61	1.20	2.40	4.81	
95-48-7	2-Methylphenol	48.36	1.20	2.40	4.81	
108-39-4/106	3-Methylphenol/4-Methylphenol	40.50	1.20	2.40	4.81	
91-20-3	Naphthalene	48.52	1.20	2.40	4.81	
100-01-6	4-Nitroaniline	60.27	4.81	9.62	19.2	Q
99-09-2	3-Nitroaniline	36.85	4.81	9.62	19.2	
88-74-4	2-Nitroaniline	47.50	4.81	9.62	19.2	
98-95-3	Nitrobenzene	42.08	1.20	2.40	4.81	
100-02-7	4-Nitrophenol	22.88	4.81	9.62	19.2	
88-75-5	2-Nitrophenol	99.65	1.20	2.40	4.81	E
86-30-6	N-Nitrosodiphenylamine	37.90	1.20	2.40	4.81	
621-64-7	N-Nitroso-di-n-propylamine	37.81	1.20	2.40	4.81	
87-86-5	Pentachlorophenol	87.77	4.81	9.62	19.2	
85-01-8	Phenanthrene	50.46	1.20	2.40	4.81	
108-95-2	Phenol	18.44	1.20	2.40	4.81	
129-00-0	Pyrene	61.85	1.20	2.40	4.81	X
88-06-2	2,4,6-Trichlorophenol	95.23	1.20	2.40	4.81	X
95-95-4	2,4,5-Trichlorophenol	92.82	1.20	2.40	4.81	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	39.08	81.3	50 - 110	
2-Fluorophenol	96.15	27.97	29.1	20 - 110	
Nitrobenzene-d5	48.08	36.25	75.4	40 - 110	
Phenol-d6	96.15	16.06	16.7	0 - 110	
Terphenyl-d14	48.08	56.37	117	50 - 135	
2,4,6-Tribromophenol	96.15	103.9	108	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13003-BLK1 File ID: B13003B1.D

Sampled: Prepared: Analyzed: 02/13/12 16:34

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B13003 Sequence: 2B04613 Calibration: 2004002 Instrument: MS-BNA1

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	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	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		1.00	25.0	50.0	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	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B13003-BLK1	File ID:	B13003B1.D
Sampled:		Prepared:		Analyzed:	02/13/12 16:34
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B13003 Sequence: 2B04613 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	Y, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	Q, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	Y, 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	Y, 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	38.78	77.6	50 - 110	
2-Fluorophenol	100.0	34.25	34.2	20 - 110	
Nitrobenzene-d5	50.00	35.70	71.4	40 - 110	Y
Phenol-d6	100.0	20.03	20.0	0 - 110	Y
Terphenyl-d14	50.00	53.40	107	50 - 135	
2,4,6-Tribromophenol	100.0	94.13	94.1	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B13003-BS1 | File ID: B13003L1.D

Sampled: | Prepared: | Analyzed: 02/13/12 17:04

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B13003 | Sequence: 2B04613 | Calibration: 2004002 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.06	1.25	2.50	5.00	
208-96-8	Acenaphthylene	46.84	1.25	2.50	5.00	
98-86-2	Acetophenone	46.07	1.25	2.50	5.00	
120-12-7	Anthracene	43.91	1.25	2.50	5.00	
1912-24-9	Atrazine	52.41	1.25	2.50	5.00	
100-52-7	Benzaldehyde	41.48	1.25	2.50	5.00	Y
92-87-5	Benzidine	25.69	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	48.79	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	41.87	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	41.72	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	51.78	1.25	2.50	5.00	
65-85-0	Benzoic acid	16.23	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	40.92	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	42.32	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.50	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	52.56	1.25	2.50	5.00	
105-60-2	Caprolactam	9.329	1.25	2.50	5.00	
86-74-8	Carbazole	47.21	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	80.98	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	39.37	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	40.04	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	36.82	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	36.76	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	37.36	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	72.41	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.29	1.25	2.50	5.00	
218-01-9	Chrysene	50.42	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.96	1.25	2.50	5.00	
132-64-9	Dibenzofuran	47.86	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	47.03	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	26.31	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	81.17	1.25	2.50	5.00	
84-66-2	Diethylphthalate	53.28	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	76.22	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	55.09	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	90.22	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	112.7	1.00	25.0	50.0	E
121-14-2	2,4-Dinitrotoluene	61.42	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	51.15	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	45.84	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B13003-BS1 | File ID: B13003L1.D

Sampled: | Prepared: | Analyzed: 02/13/12 17:04

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B13003 | Sequence: 2B04613 | Calibration: 2004002 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	32.45	1.25	2.50	5.00	Y
117-81-7	Bis(2-ethylhexyl)phthalate	49.44	1.25	2.50	5.00	
206-44-0	Fluoranthene	47.07	1.25	2.50	5.00	
86-73-7	Fluorene	49.27	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	47.78	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	20.38	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	25.14	1.25	2.50	5.00	
67-72-1	Hexachloroethane	14.33	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	43.55	1.25	2.50	5.00	
78-59-1	Isophorone	36.47	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.13	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	38.12	1.25	2.50	5.00	
95-48-7	2-Methylphenol	53.97	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	48.12	1.25	2.50	5.00	
91-20-3	Naphthalene	38.01	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	57.12	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	42.63	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	42.90	5.00	10.0	20.0	
98-95-3	Nitrobenzene	35.15	1.25	2.50	5.00	Y
100-02-7	4-Nitrophenol	25.84	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	82.62	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	36.94	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	29.02	1.25	2.50	5.00	Y
87-86-5	Pentachlorophenol	90.73	5.00	10.0	20.0	
85-01-8	Phenanthrene	43.10	1.25	2.50	5.00	
108-95-2	Phenol	21.24	1.25	2.50	5.00	
129-00-0	Pyrene	48.85	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	85.42	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	91.67	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.68	91.4	50 - 110	
2-Fluorophenol	100.0	37.88	37.9	20 - 110	
Nitrobenzene-d5	50.00	37.95	75.9	40 - 110	Y
Phenol-d6	100.0	21.09	21.1	0 - 110	Y
Terphenyl-d14	50.00	55.44	111	50 - 135	
2,4,6-Tribromophenol	100.0	104.4	104	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13003-MS2 File ID: 0206909M.D

Sampled: Prepared: Analyzed: 02/14/12 17:12

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.98	1.23	2.45	4.90	
208-96-8	Acenaphthylene	40.95	1.23	2.45	4.90	
98-86-2	Acetophenone	42.54	1.23	2.45	4.90	
120-12-7	Anthracene	44.55	1.23	2.45	4.90	
1912-24-9	Atrazine	51.56	1.23	2.45	4.90	
100-52-7	Benzaldehyde	39.14	1.23	2.45	4.90	Y
92-87-5	Benzidine	15.20	12.3	24.5	49.0	J
56-55-3	Benzo(a)anthracene	44.95	1.23	2.45	4.90	
50-32-8	Benzo(a)pyrene	37.86	1.23	2.45	4.90	
205-99-2	Benzo(b)fluoranthene	40.15	1.23	2.45	4.90	
191-24-2	Benzo(g,h,i)perylene	48.18	1.23	2.45	4.90	
65-85-0	Benzoic acid	17.68	12.3	24.5	49.0	J
207-08-9	Benzo(k)fluoranthene	35.55	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	40.63	1.23	2.45	4.90	
101-55-3	4-Bromophenyl-phenylether	48.18	1.23	2.45	4.90	
85-68-7	Butylbenzylphthalate	45.26	1.23	2.45	4.90	
105-60-2	Caprolactam	8.708	1.23	2.45	4.90	Q
86-74-8	Carbazole	43.89	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	75.74	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	31.95	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	37.82	1.23	2.45	4.90	
111-44-4	Bis(2-chloroethyl)ether	34.17	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	37.51	1.23	2.45	4.90	
91-58-7	2-Chloronaphthalene	36.85	1.23	2.45	4.90	
95-57-8	2-Chlorophenol	68.25	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	49.52	1.23	2.45	4.90	
218-01-9	Chrysene	46.04	1.23	2.45	4.90	
53-70-3	Dibenz(a,h)anthracene	47.21	1.23	2.45	4.90	
132-64-9	Dibenzofuran	41.85	1.23	2.45	4.90	
84-74-2	Di-n-butylphthalate	41.54	1.23	2.45	4.90	
91-94-1	3,3'-Dichlorobenzidine	21.34	1.23	2.45	4.90	
120-83-2	2,4-Dichlorophenol	80.13	1.23	2.45	4.90	
84-66-2	Diethylphthalate	46.60	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	73.01	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	49.76	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	94.01	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	94.72	0.980	24.5	49.0	X, E
121-14-2	2,4-Dinitrotoluene	52.13	1.23	2.45	4.90	Q, X
606-20-2	2,6-Dinitrotoluene	47.51	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	38.84	1.23	2.45	4.90	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B13003-MS2	File ID:	0206909M.D
Sampled:		Prepared:		Analyzed:	02/14/12 17:12
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	33.65	1.23	2.45	4.90	Y
117-81-7	Bis(2-ethylhexyl)phthalate	43.83	1.23	2.45	4.90	
206-44-0	Fluoranthene	43.90	1.23	2.45	4.90	
86-73-7	Fluorene	45.26	1.23	2.45	4.90	
118-74-1	Hexachlorobenzene	50.43	1.23	2.45	4.90	
87-68-3	Hexachlorobutadiene	25.77	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	26.05	1.23	2.45	4.90	
67-72-1	Hexachloroethane	19.33	1.23	2.45	4.90	Q
193-39-5	Indeno(1,2,3-cd)pyrene	42.00	1.23	2.45	4.90	
78-59-1	Isophorone	34.68	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	38.75	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	37.58	1.23	2.45	4.90	
95-48-7	2-Methylphenol	53.07	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	46.67	1.23	2.45	4.90	
91-20-3	Naphthalene	38.20	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	45.64	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	25.24	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	40.44	4.90	9.80	19.6	
98-95-3	Nitrobenzene	33.63	1.23	2.45	4.90	Y
100-02-7	4-Nitrophenol	27.06	4.90	9.80	19.6	
88-75-5	2-Nitrophenol	82.58	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	36.02	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	37.13	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	96.91	4.90	9.80	19.6	
85-01-8	Phenanthrene	42.83	1.23	2.45	4.90	
108-95-2	Phenol	20.97	1.23	2.45	4.90	Y
129-00-0	Pyrene	41.56	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	87.45	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	91.61	1.23	2.45	4.90	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	41.66	85.0	50 - 110	
2-Fluorophenol	98.04	37.46	38.2	20 - 110	
Nitrobenzene-d5	49.02	33.94	69.2	40 - 110	Y
Phenol-d6	98.04	20.47	20.9	0 - 110	Y
Terphenyl-d14	49.02	47.01	95.9	50 - 135	
2,4,6-Tribromophenol	98.04	110.9	113	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13003-MSD2 File ID: 0206909S.D

Sampled: Prepared: Analyzed: 02/14/12 17:42

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.02	1.23	2.45	4.90	
208-96-8	Acenaphthylene	41.19	1.23	2.45	4.90	
98-86-2	Acetophenone	41.86	1.23	2.45	4.90	
120-12-7	Anthracene	43.49	1.23	2.45	4.90	
1912-24-9	Atrazine	55.54	1.23	2.45	4.90	
100-52-7	Benzaldehyde	38.85	1.23	2.45	4.90	Y
92-87-5	Benzidine	17.88	12.3	24.5	49.0	J
56-55-3	Benzo(a)anthracene	47.29	1.23	2.45	4.90	
50-32-8	Benzo(a)pyrene	40.04	1.23	2.45	4.90	
205-99-2	Benzo(b)fluoranthene	40.30	1.23	2.45	4.90	
191-24-2	Benzo(g,h,i)perylene	50.40	1.23	2.45	4.90	
65-85-0	Benzoic acid	17.32	12.3	24.5	49.0	J
207-08-9	Benzo(k)fluoranthene	39.45	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	39.79	1.23	2.45	4.90	
101-55-3	4-Bromophenyl-phenylether	44.50	1.23	2.45	4.90	
85-68-7	Butylbenzylphthalate	49.33	1.23	2.45	4.90	
105-60-2	Caprolactam	7.367	1.23	2.45	4.90	Q
86-74-8	Carbazole	46.22	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	73.05	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	32.80	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	35.12	1.23	2.45	4.90	
111-44-4	Bis(2-chloroethyl)ether	33.28	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	36.89	1.23	2.45	4.90	
91-58-7	2-Chloronaphthalene	34.28	1.23	2.45	4.90	
95-57-8	2-Chlorophenol	65.32	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	48.11	1.23	2.45	4.90	
218-01-9	Chrysene	48.41	1.23	2.45	4.90	
53-70-3	Dibenz(a,h)anthracene	48.77	1.23	2.45	4.90	
132-64-9	Dibenzofuran	43.29	1.23	2.45	4.90	
84-74-2	Di-n-butylphthalate	47.99	1.23	2.45	4.90	
91-94-1	3,3'-Dichlorobenzidine	21.26	1.23	2.45	4.90	
120-83-2	2,4-Dichlorophenol	76.02	1.23	2.45	4.90	
84-66-2	Diethylphthalate	51.92	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	69.65	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	49.60	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	95.52	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	109.3	0.980	24.5	49.0	X, E
121-14-2	2,4-Dinitrotoluene	58.96	1.23	2.45	4.90	Q, X
606-20-2	2,6-Dinitrotoluene	49.49	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	42.48	1.23	2.45	4.90	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B13003-MSD2 File ID: 0206909S.D

Sampled: Prepared: Analyzed: 02/14/12 17:42

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B13003 Sequence: 2B04614 Calibration: 2004002 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	33.03	1.23	2.45	4.90	Y
117-81-7	Bis(2-ethylhexyl)phthalate	48.24	1.23	2.45	4.90	
206-44-0	Fluoranthene	48.21	1.23	2.45	4.90	
86-73-7	Fluorene	46.72	1.23	2.45	4.90	
118-74-1	Hexachlorobenzene	50.06	1.23	2.45	4.90	
87-68-3	Hexachlorobutadiene	22.44	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	22.04	1.23	2.45	4.90	
67-72-1	Hexachloroethane	18.43	1.23	2.45	4.90	Q
193-39-5	Indeno(1,2,3-cd)pyrene	43.10	1.23	2.45	4.90	
78-59-1	Isophorone	34.34	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	37.32	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	35.87	1.23	2.45	4.90	
95-48-7	2-Methylphenol	49.17	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	42.19	1.23	2.45	4.90	
91-20-3	Naphthalene	35.90	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	50.19	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	27.46	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	40.68	4.90	9.80	19.6	
98-95-3	Nitrobenzene	32.00	1.23	2.45	4.90	Y
100-02-7	4-Nitrophenol	29.36	4.90	9.80	19.6	
88-75-5	2-Nitrophenol	79.67	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	35.39	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	36.30	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	100.6	4.90	9.80	19.6	E
85-01-8	Phenanthrene	45.02	1.23	2.45	4.90	
108-95-2	Phenol	18.22	1.23	2.45	4.90	Y
129-00-0	Pyrene	44.94	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	85.99	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	91.39	1.23	2.45	4.90	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	40.17	81.9	50 - 110	
2-Fluorophenol	98.04	33.37	34.0	20 - 110	
Nitrobenzene-d5	49.02	32.00	65.3	40 - 110	Y
Phenol-d6	98.04	18.31	18.7	0 - 110	Y
Terphenyl-d14	49.02	49.85	102	50 - 135	
2,4,6-Tribromophenol	98.04	111.2	113	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B14006-BLK1 File ID: B14006B1.D

Sampled: Prepared: Analyzed: 02/18/12 20:58

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

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	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	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	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		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Matrix: Laboratory ID: 2B14006-BLK1 File ID: B14006B1.D

Sampled: Prepared: Analyzed: 02/18/12 20:58

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B14006 Sequence: 2B05214 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	Y, 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
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		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	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, 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	41.09	82.2	50 - 110	
2-Fluorophenol	100.0	39.76	39.8	20 - 110	
Nitrobenzene-d5	50.00	41.51	83.0	40 - 110	
Phenol-d6	100.0	21.16	21.2	0 - 110	
Terphenyl-d14	50.00	53.03	106	50 - 135	X
2,4,6-Tribromophenol	100.0	85.44	85.4	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B14006-BS1 | File ID: B14006L1.D

Sampled: | Prepared: | Analyzed: 02/18/12 21:28

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B14006 | Sequence: 2B05214 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	45.27	1.25	2.50	5.00	
208-96-8	Acenaphthylene	46.92	1.25	2.50	5.00	
98-86-2	Acetophenone	48.87	1.25	2.50	5.00	
120-12-7	Anthracene	43.78	1.25	2.50	5.00	
1912-24-9	Atrazine	46.11	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.94	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	46.78	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	45.76	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	48.02	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	47.96	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	44.22	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	41.50	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	47.30	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	52.47	1.25	2.50	5.00	
105-60-2	Caprolactam	6.242	1.25	2.50	5.00	
86-74-8	Carbazole	43.73	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	79.51	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	33.76	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	50.51	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	46.22	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	41.40	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	37.90	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	71.63	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	43.98	1.25	2.50	5.00	
218-01-9	Chrysene	49.69	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.93	1.25	2.50	5.00	
132-64-9	Dibenzofuran	47.25	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	45.35	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	37.85	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	82.69	1.25	2.50	5.00	
84-66-2	Diethylphthalate	45.84	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	76.06	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	54.36	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	93.44	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	59.70	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	47.16	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	46.36	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	46.38	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_043

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

Matrix: | Laboratory ID: 2B14006-BS1 | File ID: B14006L1.D

Sampled: | Prepared: | Analyzed: 02/18/12 21:28

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B14006 | Sequence: 2B05214 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	53.28	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	45.01	1.25	2.50	5.00	
206-44-0	Fluoranthene	40.00	1.25	2.50	5.00	Y
86-73-7	Fluorene	43.76	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.96	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	35.16	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	47.03	1.25	2.50	5.00	
67-72-1	Hexachloroethane	28.97	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	47.04	1.25	2.50	5.00	
78-59-1	Isophorone	41.49	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	44.46	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	43.67	1.25	2.50	5.00	
95-48-7	2-Methylphenol	60.44	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	52.80	1.25	2.50	5.00	
91-20-3	Naphthalene	41.44	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	49.69	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	36.12	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	49.48	5.00	10.0	20.0	
98-95-3	Nitrobenzene	43.21	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	28.77	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	87.39	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	39.94	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	49.70	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	92.58	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.66	1.25	2.50	5.00	
108-95-2	Phenol	25.31	1.25	2.50	5.00	
129-00-0	Pyrene	57.90	1.25	2.50	5.00	X
88-06-2	2,4,6-Trichlorophenol	86.90	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	89.99	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	51.19	102	50 - 110	
2-Fluorophenol	100.0	45.52	45.5	20 - 110	
Nitrobenzene-d5	50.00	47.99	96.0	40 - 110	
Phenol-d6	100.0	24.08	24.1	0 - 110	
Terphenyl-d14	50.00	63.85	128	50 - 135	X
2,4,6-Tribromophenol	100.0	97.66	97.7	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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
GW0381	02/03/12 13:19	02/04/12 08:15	02/07/12 12:37	3.93	7.00	02/08/12 23:14	1.44	40.00	
GW0386	02/03/12 10:40	02/04/12 08:15	02/07/12 12:37	4.04	7.00	02/08/12 23:45	1.46	40.00	
GW0402	02/03/12 16:22	02/04/12 08:15	02/07/12 12:37	3.80	7.00	02/09/12 00:15	1.48	40.00	
GW0419	02/02/12 14:44	02/04/12 08:15	02/07/12 12:37	4.87	7.00	02/09/12 00:46	1.51	40.00	
GW0498	02/03/12 12:32	02/04/12 08:15	02/07/12 12:37	3.96	7.00	02/09/12 01:16	1.53	40.00	
GW0452	02/06/12 11:00	02/07/12 08:30	02/09/12 13:27	3.06	7.00	02/10/12 21:01	1.32	40.00	
GW0489	02/06/12 13:42	02/07/12 08:30	02/09/12 13:27	2.95	7.00	02/10/12 17:00	1.15	40.00	
GW0491	02/06/12 11:13	02/07/12 08:30	02/09/12 13:27	3.05	7.00	02/10/12 17:30	1.17	40.00	
GW0492	02/06/12 11:13	02/07/12 08:30	02/09/12 13:27	3.05	7.00	02/10/12 18:00	1.19	40.00	
GW0453	02/06/12 15:40	02/08/12 09:00	02/09/12 13:27	2.87	7.00	02/10/12 18:30	1.21	40.00	
GW0454	02/07/12 11:51	02/08/12 09:00	02/09/12 13:27	2.03	7.00	02/10/12 19:00	1.23	40.00	
GW0483	02/07/12 12:57	02/08/12 09:00	02/09/12 13:27	1.98	7.00	02/10/12 19:30	1.25	40.00	
GW0484	02/07/12 10:37	02/08/12 09:00	02/09/12 13:27	2.08	7.00	02/10/12 20:00	1.27	40.00	
GW0485	02/07/12 10:37	02/08/12 09:00	02/09/12 13:27	2.08	7.00	02/10/12 20:31	1.29	40.00	
GW0408	02/08/12 13:36	02/09/12 08:40	02/13/12 10:10	4.82	7.00	02/14/12 14:39	1.19	40.00	
GW0426	02/08/12 12:53	02/09/12 08:40	02/13/12 10:10	4.85	7.00	02/14/12 15:10	1.21	40.00	
GW0427	02/08/12 10:37	02/09/12 08:40	02/13/12 10:10	4.94	7.00	02/14/12 15:41	1.23	40.00	
GW0479	02/07/12 15:44	02/09/12 08:40	02/13/12 10:10	5.73	7.00	02/14/12 16:11	1.25	40.00	
GW0490	02/07/12 16:21	02/09/12 08:40	02/13/12 10:10	5.70	7.00	02/14/12 16:41	1.27	40.00	
GW8041-RB	02/07/12 13:20	02/09/12 08:40	02/13/12 10:10	5.83	7.00	02/14/12 18:12	1.33	40.00	
GW0406	02/09/12 11:22	02/10/12 08:20	02/14/12 15:00	5.11	7.00	02/18/12 21:59	4.29	40.00	
GW0416	02/09/12 13:06	02/10/12 08:20	02/14/12 15:00	5.04	7.00	02/18/12 22:29	4.31	40.00	
GW0417	02/09/12 10:47	02/10/12 08:20	02/14/12 15:00	5.13	7.00	02/18/12 22:59	4.33	40.00	
GW0425	02/08/12 15:13	02/10/12 08:20	02/13/12 10:10	4.75	7.00	02/14/12 18:43	1.36	40.00	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

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
GW0448	02/08/12 16:23	02/10/12 08:20	02/13/12 10:10	4.70	7.00	02/14/12 19:13	1.38	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00203	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2A00203-CAL1	019F1901.D	12/29/11 01:48
Cal Standard	2A00203-CAL2	020F2001.D	12/29/11 02:21
Cal Standard	2A00203-CAL3	021F2101.D	12/29/11 02:55
Cal Standard	2A00203-CAL4	022F2201.D	12/29/11 03:28
Cal Standard	2A00203-CAL5	023F2301.D	12/29/11 04:01
Cal Standard	2A00203-CAL6	024F2401.D	12/29/11 04:34
Initial Cal Check	2A00203-ICV1	025F2501.D	12/29/11 05:07

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03806	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03806-CCV1	003F0301.D	02/06/12 17:34
Blank	2B06019-BLK1	004F0401.D	02/06/12 18:07
LCS	2B06019-BS1	005F0501.D	02/06/12 18:40
Calibration Check	2B03806-CCV2	018F1801.D	02/07/12 01:47
GW0381	1202035-01	024F2401.D	02/07/12 05:06
GW0386	1202035-03	025F2501.D	02/07/12 05:39
GW0402	1202035-05	026F2601.D	02/07/12 06:12
GW0419	1202035-07	027F2701.D	02/07/12 06:45
GW0498	1202035-09	028F2801.D	02/07/12 07:18
Calibration Check	2B03806-CCV3	029F2901.D	02/07/12 07:51

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04114	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04114-CCV1	003F0301.D	02/09/12 15:52
Blank	2B08017-BLK1	004F0401.D	02/09/12 16:25
LCS	2B08017-BS1	005F0501.D	02/09/12 16:58
GW0452	1202043-01	006F0601.D	02/09/12 17:31
GW0452	2B08017-MS1	007F0701.D	02/09/12 18:04
GW0452	2B08017-MSD1	008F0801.D	02/09/12 18:36
GW0489	1202043-03	009F0901.D	02/09/12 19:09
GW0491	1202043-05	010F1001.D	02/09/12 19:42
GW0492	1202043-07	011F1101.D	02/09/12 20:14
GW0453	1202054-01	012F1201.D	02/09/12 20:47
GW0454	1202054-03	013F1301.D	02/09/12 21:20
GW0483	1202054-05	014F1401.D	02/09/12 21:53
GW0484	1202054-07	015F1501.D	02/09/12 22:26
GW0485	1202054-09	016F1601.D	02/09/12 22:58
Calibration Check	2B04114-CCV2	017F1701.D	02/09/12 23:31

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04608	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04608-CCV1	003F0301.D	02/14/12 14:54
Blank	2B14004-BLK1	004F0401.D	02/14/12 15:27
LCS	2B14004-BS1	005F0501.D	02/14/12 16:01
Calibration Check	2B04608-CCV2	007F0701.D	02/14/12 17:07
GW0408	1202069-01	008F0801.D	02/14/12 17:39
GW0426	1202069-03	009F0901.D	02/14/12 18:12
GW0427	1202069-05	010F1001.D	02/14/12 18:45
GW0479	1202069-07	011F1101.D	02/14/12 19:18
GW0490	1202069-09	012F1201.D	02/14/12 19:50
GW0490	2B14004-MS1	013F1301.D	02/14/12 20:23
GW0490	2B14004-MSD1	014F1401.D	02/14/12 20:56
GW8041-RB	1202069-11	015F1501.D	02/14/12 21:29
GW0406	1202080-01	016F1601.D	02/14/12 22:01
GW0416	1202080-03	017F1701.D	02/14/12 22:34
GW0417	1202080-05	018F1801.D	02/14/12 23:07
GW0425	1202080-07	019F1901.D	02/14/12 23:40
Calibration Check	2B04608-CCV3	020F2001.D	02/15/12 00:14
GW0448	1202080-09	021F2101.D	02/15/12 00:47
Calibration Check	2B04608-CCV4	028F2801.D	02/15/12 04:38

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01	File ID:	024F2401.D
Sampled:	02/03/12 13:19	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 05:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02008	100	30 - 140	

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03	File ID:	025F2501.D
Sampled:	02/03/12 10:40	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 05:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01991	99.6	30 - 140	

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05	File ID:	026F2601.D
Sampled:	02/03/12 16:22	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 06:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02034	104	30 - 140	

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07	File ID:	027F2701.D
Sampled:	02/02/12 14:44	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 06:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.140	0.0971	0.0971	0.0971	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01942	0.01908	98.3	30 - 140	

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09	File ID:	028F2801.D
Sampled:	02/03/12 12:32	Prepared:	02/06/12 12:19	Analyzed:	02/07/12 07:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01787	89.4	30 - 140	

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01	File ID:	006F0601.D
Sampled:	02/06/12 11:00	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 17:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.630	0.0926	0.0926	0.0926	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01950	105	30 - 140	

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03	File ID:	009F0901.D
Sampled:	02/06/12 13:42	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 19:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01931	102	30 - 140	

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05	File ID:	010F1001.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 19:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02048	107	30 - 140	

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07	File ID:	011F1101.D
Sampled:	02/06/12 11:13	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 20:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01910	99.3	30 - 140	

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01	File ID:	012F1201.D
Sampled:	02/06/12 15:40	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 20:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01936	103	30 - 140	

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03	File ID:	013F1301.D
Sampled:	02/07/12 11:51	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 21:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.124	0.0943	0.0943	0.0943	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02213	117	30 - 140	

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05	File ID:	014F1401.D
Sampled:	02/07/12 12:57	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 21:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02175	113	30 - 140	

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07	File ID:	015F1501.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 22:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0952	0.0952	0.0952	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01722	90.4	30 - 140	

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09	File ID:	016F1601.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 12:09	Analyzed:	02/09/12 22:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02303	115	30 - 140	

ANALYSIS DATA SHEET

GW0408

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01	File ID:	008F0801.D
Sampled:	02/08/12 13:36	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 17:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01824	91.2	30 - 140	

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03	File ID:	009F0901.D
Sampled:	02/08/12 12:53	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 18:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01980	99.0	30 - 140	

ANALYSIS DATA SHEET

GW0427

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05	File ID:	010F1001.D
Sampled:	02/08/12 10:37	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 18:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01743	87.1	30 - 140	

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07	File ID:	011F1101.D
Sampled:	02/07/12 15:44	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 19:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	2.01	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01732	86.6	30 - 140	

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09	File ID:	012F1201.D
Sampled:	02/07/12 16:21	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 19:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01869	95.3	30 - 140	

ANALYSIS DATA SHEET

GW8041-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-11	File ID:	015F1501.D
Sampled:	02/07/12 13:20	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 21:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01704	88.6	30 - 140	

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01	File ID:	016F1601.D
Sampled:	02/09/12 11:22	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 22:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01711	89.0	30 - 140	

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03	File ID:	017F1701.D
Sampled:	02/09/12 13:06	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 22:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02065	105	30 - 140	

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05	File ID:	018F1801.D
Sampled:	02/09/12 10:47	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 23:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01830	93.3	30 - 140	

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07	File ID:	019F1901.D
Sampled:	02/08/12 15:13	Prepared:	02/14/12 11:18	Analyzed:	02/14/12 23:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02140	109	30 - 140	

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09	File ID:	021F2101.D
Sampled:	02/08/12 16:23	Prepared:	02/14/12 11:18	Analyzed:	02/15/12 00:47
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01795	93.3	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06019	Laboratory ID:	2B06019-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	0.6899	69.0	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B08017	Laboratory ID:	2B08017-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	0.9637	96.4	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14004	Laboratory ID:	2B14004-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	0.7120	71.2	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B08017

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9434	0.6300	1.542	96.7		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9434	1.559	98.5	1.07		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B14004

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9804	ND	0.7386	75.3		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9804	0.7077	72.2	4.28		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B06019 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/06/12 12:19	1,000.00	1.00
GW0386	1202035-03	02/06/12 12:19	1,000.00	1.00
GW0402	1202035-05	02/06/12 12:19	1,020.00	1.00
GW0419	1202035-07	02/06/12 12:19	1,030.00	1.00
GW0498	1202035-09	02/06/12 12:19	1,000.00	1.00
Blank	2B06019-BLK1	02/06/12 12:19	1,000.00	1.00
LCS	2B06019-BS1	02/06/12 12:19	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B08017 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0452	1202043-01	02/09/12 12:09	1,080.00	1.00
GW0489	1202043-03	02/09/12 12:09	1,060.00	1.00
GW0491	1202043-05	02/09/12 12:09	1,040.00	1.00
GW0492	1202043-07	02/09/12 12:09	1,040.00	1.00
GW0453	1202054-01	02/09/12 12:09	1,060.00	1.00
GW0454	1202054-03	02/09/12 12:09	1,060.00	1.00
GW0483	1202054-05	02/09/12 12:09	1,040.00	1.00
GW0484	1202054-07	02/09/12 12:09	1,050.00	1.00
GW0485	1202054-09	02/09/12 12:09	1,000.00	1.00
Blank	2B08017-BLK1	02/09/12 12:09	1,000.00	1.00
LCS	2B08017-BS1	02/09/12 12:09	1,000.00	1.00
GW0452	2B08017-MS1	02/09/12 12:09	1,060.00	1.00
GW0452	2B08017-MSD1	02/09/12 12:09	1,060.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B14004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/14/12 11:18	1,000.00	1.00
GW0426	1202069-03	02/14/12 11:18	1,000.00	1.00
GW0427	1202069-05	02/14/12 11:18	1,000.00	1.00
GW0479	1202069-07	02/14/12 11:18	1,000.00	1.00
GW0490	1202069-09	02/14/12 11:18	1,020.00	1.00
GW8041-RB	1202069-11	02/14/12 11:18	1,040.00	1.00
GW0406	1202080-01	02/14/12 11:18	1,040.00	1.00
GW0416	1202080-03	02/14/12 11:18	1,020.00	1.00
GW0417	1202080-05	02/14/12 11:18	1,020.00	1.00
GW0425	1202080-07	02/14/12 11:18	1,020.00	1.00
GW0448	1202080-09	02/14/12 11:18	1,040.00	1.00
Blank	2B14004-BLK1	02/14/12 11:18	1,000.00	1.00
LCS	2B14004-BS1	02/14/12 11:18	1,000.00	1.00
GW0490	2B14004-MS1	02/14/12 11:18	1,020.00	1.00
GW0490	2B14004-MSD1	02/14/12 11:18	1,020.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00203	Instrument:	GL-GCFID2
Calibration:	2002005		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11K0386	DRO ICAL6@100ppm	2A00203-CAL1	019F1901.D	12/29/11 01:48
11K0385	DRO ICAL5@250ppm	2A00203-CAL2	020F2001.D	12/29/11 02:21
11K0384	DRO ICAL4@500ppm	2A00203-CAL3	021F2101.D	12/29/11 02:55
11K0383	DRO ICAL3@1000ppm	2A00203-CAL4	022F2201.D	12/29/11 03:28
11K0382	DRO ICAL2@2500ppm	2A00203-CAL5	023F2301.D	12/29/11 04:01
11K0381	DRO ICAL1@5000ppm	2A00203-CAL6	024F2401.D	12/29/11 04:34

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2002005	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	12/29/11 1:48	12/29/11 4:34

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	833.24	250	799.816	500	821.242	1000	895.915	2500	942.2172	5000	1212.126
o-Terphenyl	5	1071.8	12.5	1188.24	25	1161.52	50	1157.34	125	1158.08	250	1109.332

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2002005	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	12/29/11 1:48	12/29/11 4:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	917.426	16.7518	5.967	2.470398E-02			20	
o-Terphenyl	1141.052	3.718779	11.01183	3.526031E-02			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	025F2501.D	Calibration Date:	01/02/12 23:46
Sequence:	2A00203	Injection Date:	12/29/11
Lab Sample ID:	2A00203-ICV1	Injection Time:	05:07

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	974.2	917.426	893.774		-2.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	003F0301.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03806	Injection Date:	02/06/12
Lab Sample ID:	2B03806-CCV1	Injection Time:	17:34

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	937.0	917.426	859.636		-6.3	20
o-Terphenyl	A	50.00	56.78	1141.052	1295.78		13.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	018F1801.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03806	Injection Date:	02/07/12
Lab Sample ID:	2B03806-CCV2	Injection Time:	01:47

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	941.0	917.426	863.335		-5.9	20
o-Terphenyl	A	50.00	57.12	1141.052	1303.64		14.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	029F2901.D	Calibration Date:	01/02/12 23:46
Sequence:	2B03806	Injection Date:	02/07/12
Lab Sample ID:	2B03806-CCV3	Injection Time:	07:51

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	973.3	917.426	892.958		-2.7	20
o-Terphenyl	A	50.00	58.48	1141.052	1334.48		17.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	003F0301.D	Calibration Date:	01/02/12 23:46
Sequence:	2B04114	Injection Date:	02/09/12
Lab Sample ID:	2B04114-CCV1	Injection Time:	15:52

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	928.6	917.426	851.945		-7.1	20
o-Terphenyl	A	50.00	56.98	1141.052	1300.46		14.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	017F1701.D	Calibration Date:	01/02/12 23:46
Sequence:	2B04114	Injection Date:	02/09/12
Lab Sample ID:	2B04114-CCV2	Injection Time:	23:31

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	951.3	917.426	872.731		-4.9	20
o-Terphenyl	A	50.00	58.95	1141.052	1345.24		17.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	003F0301.D	Calibration Date:	01/02/12 23:46
Sequence:	2B04608	Injection Date:	02/14/12
Lab Sample ID:	2B04608-CCV1	Injection Time:	14:54

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	927.2	917.426	850.646		-7.3	20
o-Terphenyl	A	50.00	57.16	1141.052	1304.46		14.3	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	007F0701.D	Calibration Date:	01/02/12 23:46
Sequence:	2B04608	Injection Date:	02/14/12
Lab Sample ID:	2B04608-CCV2	Injection Time:	17:07

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	919.0	917.426	843.137		-8.1	20
o-Terphenyl	A	50.00	57.14	1141.052	1303.98		14.3	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	020F2001.D	Calibration Date:	01/02/12 23:46
Sequence:	2B04608	Injection Date:	02/15/12
Lab Sample ID:	2B04608-CCV3	Injection Time:	00:14

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	903.6	917.426	828.948		-9.6	20
o-Terphenyl	A	50.00	56.59	1141.052	1291.46		13.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	028F2801.D	Calibration Date:	01/02/12 23:46
Sequence:	2B04608	Injection Date:	02/15/12
Lab Sample ID:	2B04608-CCV4	Injection Time:	04:38

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	985.4	917.426	904.056		-1.5	20
o-Terphenyl	A	50.00	59.89	1141.052	1366.84		19.8	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03806	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03806-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 02/06/12 17:34		
o-Terphenyl	50.00	114	80 - 120	10.926	10.926	0.0000	+/-0.050	
Blank (2B06019-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/06/12 18:07		
o-Terphenyl	0.02000	93.8	30 - 140	10.906	10.926	-0.0200	+/-0.050	
LCS (2B06019-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/06/12 18:40		
o-Terphenyl	0.02000	97.1	30 - 140	10.903	10.926	-0.0230	+/-0.050	
Calibration Check (2B03806-CCV2) mg/L				Lab File ID: 018F1801.D		Analyzed: 02/07/12 01:47		
o-Terphenyl	50.00	114	80 - 120	10.866	10.926	-0.0600	+/-0.050	*
GW0381 (1202035-01) mg/L				Lab File ID: 024F2401.D		Analyzed: 02/07/12 05:06		
o-Terphenyl	0.02000	100	30 - 140	10.89	10.926	-0.0360	+/-0.050	
GW0386 (1202035-03) mg/L				Lab File ID: 025F2501.D		Analyzed: 02/07/12 05:39		
o-Terphenyl	0.02000	99.6	30 - 140	10.903	10.926	-0.0230	+/-0.050	
GW0402 (1202035-05) mg/L				Lab File ID: 026F2601.D		Analyzed: 02/07/12 06:12		
o-Terphenyl	0.01961	104	30 - 140	10.903	10.926	-0.0230	+/-0.050	
GW0419 (1202035-07) mg/L				Lab File ID: 027F2701.D		Analyzed: 02/07/12 06:45		
o-Terphenyl	0.01942	98.3	30 - 140	10.856	10.926	-0.0700	+/-0.050	*
GW0498 (1202035-09) mg/L				Lab File ID: 028F2801.D		Analyzed: 02/07/12 07:18		
o-Terphenyl	0.02000	89.4	30 - 140	10.866	10.926	-0.0600	+/-0.050	*
Calibration Check (2B03806-CCV3) mg/L				Lab File ID: 029F2901.D		Analyzed: 02/07/12 07:51		
o-Terphenyl	50.00	117	80 - 120	10.85	10.926	-0.0760	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04114	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04114-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 02/09/12 15:52		
o-Terphenyl	50.00	114	80 - 120	10.87	10.87	0.0000	+/-0.050	
Blank (2B08017-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/09/12 16:25		
o-Terphenyl	0.02000	101	30 - 140	10.88	10.87	0.0100	+/-0.050	
LCS (2B08017-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/09/12 16:58		
o-Terphenyl	0.02000	125	30 - 140	10.866	10.87	-0.0040	+/-0.050	
GW0452 (1202043-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/09/12 17:31		
o-Terphenyl	0.01852	105	30 - 140	10.886	10.87	0.0160	+/-0.050	
Matrix Spike (2B08017-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/09/12 18:04		
o-Terphenyl	0.01887	117	30 - 140	10.873	10.87	0.0030	+/-0.050	
Matrix Spike Dup (2B08017-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/09/12 18:36		
o-Terphenyl	0.01887	122	30 - 140	10.86	10.87	-0.0100	+/-0.050	
GW0489 (1202043-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/09/12 19:09		
o-Terphenyl	0.01887	102	30 - 140	10.883	10.87	0.0130	+/-0.050	
GW0491 (1202043-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/09/12 19:42		
o-Terphenyl	0.01923	107	30 - 140	10.866	10.87	-0.0040	+/-0.050	
GW0492 (1202043-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/09/12 20:14		
o-Terphenyl	0.01923	99.3	30 - 140	10.87	10.87	0.0000	+/-0.050	
GW0453 (1202054-01) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/09/12 20:47		
o-Terphenyl	0.01887	103	30 - 140	10.863	10.87	-0.0070	+/-0.050	
GW0454 (1202054-03) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/09/12 21:20		
o-Terphenyl	0.01887	117	30 - 140	10.85	10.87	-0.0200	+/-0.050	
GW0483 (1202054-05) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/09/12 21:53		
o-Terphenyl	0.01923	113	30 - 140	10.86	10.87	-0.0100	+/-0.050	
GW0484 (1202054-07) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/09/12 22:26		
o-Terphenyl	0.01905	90.4	30 - 140	10.86	10.87	-0.0100	+/-0.050	
GW0485 (1202054-09) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/09/12 22:58		
o-Terphenyl	0.02000	115	30 - 140	10.85	10.87	-0.0200	+/-0.050	
Calibration Check (2B04114-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/09/12 23:31		
o-Terphenyl	50.00	118	80 - 120	10.84	10.87	-0.0300	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04608	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04608-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 02/14/12 14:54		
o-Terphenyl	50.00	114	80 - 120	10.903	10.903	0.0000	+/-0.050	
Blank (2B14004-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/14/12 15:27		
o-Terphenyl	0.02000	98.4	30 - 140	10.926	10.903	0.0230	+/-0.050	
LCS (2B14004-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/14/12 16:01		
o-Terphenyl	0.02000	99.0	30 - 140	10.896	10.903	-0.0070	+/-0.050	
Calibration Check (2B04608-CCV2) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/14/12 17:07		
o-Terphenyl	50.00	114	80 - 120	10.893	10.903	-0.0100	+/-0.050	
GW0408 (1202069-01) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/14/12 17:39		
o-Terphenyl	0.02000	91.2	30 - 140	10.913	10.903	0.0100	+/-0.050	
GW0426 (1202069-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/14/12 18:12		
o-Terphenyl	0.02000	99.0	30 - 140	10.903	10.903	0.0000	+/-0.050	
GW0427 (1202069-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/14/12 18:45		
o-Terphenyl	0.02000	87.1	30 - 140	10.903	10.903	0.0000	+/-0.050	
GW0479 (1202069-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/14/12 19:18		
o-Terphenyl	0.02000	86.6	30 - 140	10.886	10.903	-0.0170	+/-0.050	
GW0490 (1202069-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/14/12 19:50		
o-Terphenyl	0.01961	95.3	30 - 140	10.896	10.903	-0.0070	+/-0.050	
Matrix Spike (2B14004-MS1) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/14/12 20:23		
o-Terphenyl	0.01961	99.2	30 - 140	10.883	10.903	-0.0200	+/-0.050	
Matrix Spike Dup (2B14004-MSD1) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/14/12 20:56		
o-Terphenyl	0.01961	95.1	30 - 140	10.876	10.903	-0.0270	+/-0.050	
GW8041-RB (1202069-11) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/14/12 21:29		
o-Terphenyl	0.01923	88.6	30 - 140	10.876	10.903	-0.0270	+/-0.050	
GW0406 (1202080-01) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/14/12 22:01		
o-Terphenyl	0.01923	89.0	30 - 140	10.87	10.903	-0.0330	+/-0.050	
GW0416 (1202080-03) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/14/12 22:34		
o-Terphenyl	0.01961	105	30 - 140	10.863	10.903	-0.0400	+/-0.050	
GW0417 (1202080-05) mg/L				Lab File ID: 018F1801.D		Analyzed: 02/14/12 23:07		
o-Terphenyl	0.01961	93.3	30 - 140	10.863	10.903	-0.0400	+/-0.050	
GW0425 (1202080-07) mg/L				Lab File ID: 019F1901.D		Analyzed: 02/14/12 23:40		
o-Terphenyl	0.01961	109	30 - 140	10.863	10.903	-0.0400	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04608	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04608-CCV3) mg/L				Lab File ID: 020F2001.D		Analyzed: 02/15/12 00:14		
o-Terphenyl	50.00	113	80 - 120	10.856	10.903	-0.0470	+/-0.050	
GW0448 (1202080-09) mg/L				Lab File ID: 021F2101.D		Analyzed: 02/15/12 00:47		
o-Terphenyl	0.01923	93.3	30 - 140	10.853	10.903	-0.0500	+/-0.050	
Calibration Check (2B04608-CCV4) mg/L				Lab File ID: 028F2801.D		Analyzed: 02/15/12 04:38		
o-Terphenyl	50.00	120	80 - 120	10.856	10.903	-0.0470	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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
GW0381	02/03/12 13:19	02/04/12 08:15	02/06/12 12:19	2.92	7.00	02/07/12 05:06	0.70	40.00	
GW0386	02/03/12 10:40	02/04/12 08:15	02/06/12 12:19	3.03	7.00	02/07/12 05:39	0.72	40.00	
GW0402	02/03/12 16:22	02/04/12 08:15	02/06/12 12:19	2.79	7.00	02/07/12 06:12	0.75	40.00	
GW0419	02/02/12 14:44	02/04/12 08:15	02/06/12 12:19	3.86	7.00	02/07/12 06:45	0.77	40.00	
GW0498	02/03/12 12:32	02/04/12 08:15	02/06/12 12:19	2.95	7.00	02/07/12 07:18	0.79	40.00	
GW0452	02/06/12 11:00	02/07/12 08:30	02/09/12 12:09	3.01	7.00	02/09/12 17:31	0.22	40.00	
GW0489	02/06/12 13:42	02/07/12 08:30	02/09/12 12:09	2.89	7.00	02/09/12 19:09	0.29	40.00	
GW0491	02/06/12 11:13	02/07/12 08:30	02/09/12 12:09	3.00	7.00	02/09/12 19:42	0.31	40.00	
GW0492	02/06/12 11:13	02/07/12 08:30	02/09/12 12:09	3.00	7.00	02/09/12 20:14	0.34	40.00	
GW0453	02/06/12 15:40	02/08/12 09:00	02/09/12 12:09	2.81	7.00	02/09/12 20:47	0.36	40.00	
GW0454	02/07/12 11:51	02/08/12 09:00	02/09/12 12:09	1.97	7.00	02/09/12 21:20	0.38	40.00	
GW0483	02/07/12 12:57	02/08/12 09:00	02/09/12 12:09	1.93	7.00	02/09/12 21:53	0.41	40.00	
GW0484	02/07/12 10:37	02/08/12 09:00	02/09/12 12:09	2.02	7.00	02/09/12 22:26	0.43	40.00	
GW0485	02/07/12 10:37	02/08/12 09:00	02/09/12 12:09	2.02	7.00	02/09/12 22:58	0.45	40.00	
GW0408	02/08/12 13:36	02/09/12 08:40	02/14/12 11:18	5.86	7.00	02/14/12 17:39	0.26	40.00	
GW0426	02/08/12 12:53	02/09/12 08:40	02/14/12 11:18	5.89	7.00	02/14/12 18:12	0.29	40.00	
GW0427	02/08/12 10:37	02/09/12 08:40	02/14/12 11:18	5.99	7.00	02/14/12 18:45	0.31	40.00	
GW0479	02/07/12 15:44	02/09/12 08:40	02/14/12 11:18	6.77	7.00	02/14/12 19:18	0.33	40.00	
GW0490	02/07/12 16:21	02/09/12 08:40	02/14/12 11:18	6.75	7.00	02/14/12 19:50	0.36	40.00	
GW8041-RB	02/07/12 13:20	02/09/12 08:40	02/14/12 11:18	6.87	7.00	02/14/12 21:29	0.42	40.00	
GW0406	02/09/12 11:22	02/10/12 08:20	02/14/12 11:18	4.96	7.00	02/14/12 22:01	0.45	40.00	
GW0416	02/09/12 13:06	02/10/12 08:20	02/14/12 11:18	4.88	7.00	02/14/12 22:34	0.47	40.00	
GW0417	02/09/12 10:47	02/10/12 08:20	02/14/12 11:18	4.98	7.00	02/14/12 23:07	0.49	40.00	
GW0425	02/08/12 15:13	02/10/12 08:20	02/14/12 11:18	5.80	7.00	02/14/12 23:40	0.52	40.00	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

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
GW0448	02/08/12 16:23	02/10/12 08:20	02/14/12 11:18	5.75	7.00	02/15/12 00:47	0.56	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06019-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/06/12 18:07
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B06019	Sequence:	2B03806	Calibration:	2002005	Instrument:	GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01876	93.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B06019-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/06/12 18:40
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B06019 Sequence: 2B03806 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6899	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01941	97.1	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B08017-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/09/12 16:25
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B08017	Sequence:	2B04114	Calibration:	2002005	Instrument:	GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02028	101	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B08017-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/09/12 16:58
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B08017	Sequence:	2B04114	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9637	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02497	125	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B08017-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/09/12 18:04
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.542	0.0943	0.0943	0.0943	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02205	117	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B08017-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/09/12 18:36
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B08017 Sequence: 2B04114 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.559	0.0943	0.0943	0.0943	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.02310	122	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B14004-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/14/12 15:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B14004	Sequence:	2B04608	Calibration:	2002005	Instrument:	GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01967	98.4	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B14004-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/14/12 16:01
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B14004	Sequence:	2B04608	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7120	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01980	99.0	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B14004-MS1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	02/14/12 20:23
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B14004 Sequence: 2B04608 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7386	0.0980	0.0980	0.0980	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01944	99.2	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B14004-MSD1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	02/14/12 20:56
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B14004	Sequence:	2B04608	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7077	0.0980	0.0980	0.0980	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01866	95.1	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A01310	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2A01310-CAL1	003F0301.D	01/10/12 16:43
Cal Standard	2A01310-CAL2	004F0401.D	01/10/12 17:21
Cal Standard	2A01310-CAL3	005F0501.D	01/10/12 17:59
Cal Standard	2A01310-CAL4	006F0601.D	01/10/12 18:37
Cal Standard	2A01310-CAL5	007F0701.D	01/10/12 19:14
Cal Standard	2A01310-CAL6	008F0801.D	01/10/12 19:52
Initial Cal Check	2A01310-ICV1	009F0901.D	01/10/12 20:30

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03801	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03801-CCV1	003F0301.D	02/06/12 15:59
LCS	2B06028-BS1	004F0401.D	02/06/12 16:36
Blank	2B06028-BLK1	005F0501.D	02/06/12 17:14
GW0381	1202035-01	006F0601.D	02/06/12 17:51
GW0386	1202035-03	007F0701.D	02/06/12 18:29
GW0402	1202035-05	008F0801.D	02/06/12 19:07
GW0419	1202035-07	009F0901.D	02/06/12 19:45
GW0498	1202035-09	010F1001.D	02/06/12 20:23
GW0498	2B06028-MS1	011F1101.D	02/06/12 21:00
GW0498	2B06028-MSD1	012F1201.D	02/06/12 21:37
Calibration Check	2B03801-CCV2	013F1301.D	02/06/12 22:15

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03904	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B03904-CCV1	003F0301.D	02/07/12 16:11
LCS	2B07022-BS1	004F0401.D	02/07/12 16:49
Blank	2B07022-BLK1	005F0501.D	02/07/12 17:27
GW0452	1202043-01	006F0601.D	02/07/12 18:05
GW0452	2B07022-MS1	007F0701.D	02/07/12 18:42
GW0452	2B07022-MSD1	008F0801.D	02/07/12 19:20
GW0489	1202043-03	009F0901.D	02/07/12 19:58
GW0491	1202043-05	010F1001.D	02/07/12 20:35
GW0492	1202043-07	011F1101.D	02/07/12 21:13
Calibration Check	2B03904-CCV2	012F1201.D	02/07/12 21:50

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04106	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04106-CCV1	003F0301.D	02/09/12 10:01
LCS	2B09003-BS1	004F0401.D	02/09/12 10:41
Blank	2B09003-BLK1	005F0501.D	02/09/12 11:57
GW0453	1202054-01	006F0601.D	02/09/12 12:36
GW0453	2B09003-MS1	007F0701.D	02/09/12 13:15
GW0453	2B09003-MSD1	008F0801.D	02/09/12 13:55
GW0454	1202054-03	009F0901.D	02/09/12 14:34
GW0483	1202054-05	010F1001.D	02/09/12 15:13
GW0484	1202054-07	011F1101.D	02/09/12 15:53
GW0485	1202054-09	012F1201.D	02/09/12 16:32
Calibration Check	2B04106-CCV2	013F1301.D	02/09/12 17:10

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04404	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04404-CCV1	004F0401.D	02/10/12 10:53
LCS	2B10006-BS1	005F0501.D	02/10/12 11:50
Blank	2B10006-BLK1	006F0601.D	02/10/12 12:29
GW0408	1202069-01	007F0701.D	02/10/12 13:07
GW0426	1202069-03	008F0801.D	02/10/12 13:45
GW0427	1202069-05	009F0901.D	02/10/12 14:42
GW0479	1202069-07	010F1001.D	02/10/12 15:20
GW0490	1202069-09	011F1101.D	02/10/12 15:57
GW0490	2B10006-MS1	012F1201.D	02/10/12 16:35
GW0490	2B10006-MSD1	013F1301.D	02/10/12 17:13
GW8041-RB	1202069-11	014F1401.D	02/10/12 17:51
GW0406	1202080-01	015F1501.D	02/10/12 18:29
GW0416	1202080-03	016F1601.D	02/10/12 19:07
GW0417	1202080-05	017F1701.D	02/10/12 19:45
GW0425	1202080-07	018F1801.D	02/10/12 20:23
Calibration Check	2B04404-CCV2	019F1901.D	02/10/12 21:01

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04501	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04501-CCV1	003F0301.D	02/13/12 12:27
LCS	2B13014-BS1	004F0401.D	02/13/12 13:36
Blank	2B13014-BLK1	005F0501.D	02/13/12 14:14
GW0448	1202080-09RE1	006F0601.D	02/13/12 14:53
Calibration Check	2B04501-CCV2	015F1501.D	02/13/12 20:36

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01	File ID:	006F0601.D
Sampled:	02/03/12 13:19	Prepared:	02/06/12 13:30	Analyzed:	02/06/12 17:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B06028 Sequence: 2B03801 Calibration: 2013003 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	0.05137	103	50 - 150	

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03	File ID:	007F0701.D
Sampled:	02/03/12 10:40	Prepared:	02/06/12 13:30	Analyzed:	02/06/12 18:29
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B06028 Sequence: 2B03801 Calibration: 2013003 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	0.05376	108	50 - 150	

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05	File ID:	008F0801.D
Sampled:	02/03/12 16:22	Prepared:	02/06/12 13:30	Analyzed:	02/06/12 19:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B06028 Sequence: 2B03801 Calibration: 2013003 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	0.05620	112	50 - 150	

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07	File ID:	009F0901.D
Sampled:	02/02/12 14:44	Prepared:	02/06/12 13:30	Analyzed:	02/06/12 19:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B06028 Sequence: 2B03801 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.119	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05594	112	50 - 150	

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09	File ID:	010F1001.D
Sampled:	02/03/12 12:32	Prepared:	02/06/12 13:30	Analyzed:	02/06/12 20:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B06028 Sequence: 2B03801 Calibration: 2013003 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	0.05320	106	50 - 150	

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01	File ID:	006F0601.D
Sampled:	02/06/12 11:00	Prepared:	02/07/12 13:36	Analyzed:	02/07/12 18:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B07022 Sequence: 2B03904 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.187	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05688	114	50 - 150	

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03	File ID:	009F0901.D
Sampled:	02/06/12 13:42	Prepared:	02/07/12 13:36	Analyzed:	02/07/12 19:58
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B07022 Sequence: 2B03904 Calibration: 2013003 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	0.05581	112	50 - 150	

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05	File ID:	010F1001.D
Sampled:	02/06/12 11:13	Prepared:	02/07/12 13:36	Analyzed:	02/07/12 20:35
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B07022 Sequence: 2B03904 Calibration: 2013003 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	0.05480	110	50 - 150	

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07	File ID:	011F1101.D
Sampled:	02/06/12 11:13	Prepared:	02/07/12 13:36	Analyzed:	02/07/12 21:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B07022 Sequence: 2B03904 Calibration: 2013003 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	0.05469	109	50 - 150	

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01	File ID:	006F0601.D
Sampled:	02/06/12 15:40	Prepared:	02/09/12 07:26	Analyzed:	02/09/12 12:36
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B09003 Sequence: 2B04106 Calibration: 2013003 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	0.05856	117	50 - 150	

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03	File ID:	009F0901.D
Sampled:	02/07/12 11:51	Prepared:	02/09/12 07:26	Analyzed:	02/09/12 14:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B09003 Sequence: 2B04106 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.104	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06102	122	50 - 150	

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05	File ID:	010F1001.D
Sampled:	02/07/12 12:57	Prepared:	02/09/12 07:26	Analyzed:	02/09/12 15:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B09003 Sequence: 2B04106 Calibration: 2013003 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	0.06035	121	50 - 150	

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07	File ID:	011F1101.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 07:26	Analyzed:	02/09/12 15:53
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B09003 Sequence: 2B04106 Calibration: 2013003 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	0.05878	118	50 - 150	

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09	File ID:	012F1201.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 07:26	Analyzed:	02/09/12 16:32
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B09003 Sequence: 2B04106 Calibration: 2013003 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	0.05858	117	50 - 150	

ANALYSIS DATA SHEET

GW0408

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01	File ID:	007F0701.D
Sampled:	02/08/12 13:36	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 13:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05852	117	50 - 150	

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03	File ID:	008F0801.D
Sampled:	02/08/12 12:53	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 13:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05697	114	50 - 150	

ANALYSIS DATA SHEET

GW0427

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05	File ID:	009F0901.D
Sampled:	02/08/12 10:37	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 14:42
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05433	109	50 - 150	

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07	File ID:	010F1001.D
Sampled:	02/07/12 15:44	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 15:20
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.533	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05656	113	50 - 150	

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09	File ID:	011F1101.D
Sampled:	02/07/12 16:21	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 15:57
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05350	107	50 - 150	

ANALYSIS DATA SHEET

GW8041-RB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-11	File ID:	014F1401.D
Sampled:	02/07/12 13:20	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 17:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05322	106	50 - 150	

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01	File ID:	015F1501.D
Sampled:	02/09/12 11:22	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 18:29
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05317	106	50 - 150	

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03	File ID:	016F1601.D
Sampled:	02/09/12 13:06	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 19:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05447	109	50 - 150	

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05	File ID:	017F1701.D
Sampled:	02/09/12 10:47	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 19:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05405	108	50 - 150	

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07	File ID:	018F1801.D
Sampled:	02/08/12 15:13	Prepared:	02/10/12 07:16	Analyzed:	02/10/12 20:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05361	107	50 - 150	

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09RE1	File ID:	006F0601.D
Sampled:	02/08/12 16:23	Prepared:	02/10/12 07:16	Analyzed:	02/13/12 14:53
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B13014 Sequence: 2B04501 Calibration: 2013003 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	0.05412	108	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B06028	Laboratory ID:	2B06028-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	0.4693	93.9	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07022	Laboratory ID:	2B07022-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	0.5311	106	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09003	Laboratory ID:	2B09003-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	0.5528	111	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B10006	Laboratory ID:	2B10006-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	0.5671	113	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13014	Laboratory ID:	2B13014-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	0.5220	104	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0498

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B06028

% Solids:

Source Sample Name: **1202035-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4210	84.2		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4049	81.0	3.90		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B07022

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.1874	0.6810	98.7		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.6623	95.0	2.78		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0453

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B09003

% Solids:

Source Sample Name: **1202054-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.5849	117		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
Gasoline Range Organics (C6-C10)	0.5000	0.5864	117	0.256		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B10006

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4116	82.3		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4033	80.7	2.04		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B06028 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/06/12 13:30	5.00	5.00
GW0386	1202035-03	02/06/12 13:30	5.00	5.00
GW0402	1202035-05	02/06/12 13:30	5.00	5.00
GW0419	1202035-07	02/06/12 13:30	5.00	5.00
GW0498	1202035-09	02/06/12 13:30	5.00	5.00
Blank	2B06028-BLK1	02/06/12 13:30	5.00	5.00
LCS	2B06028-BS1	02/06/12 13:30	5.00	5.00
GW0498	2B06028-MS1	02/06/12 13:30	5.00	5.00
GW0498	2B06028-MSD1	02/06/12 13:30	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B07022 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0452	1202043-01	02/07/12 13:36	5.00	5.00
GW0489	1202043-03	02/07/12 13:36	5.00	5.00
GW0491	1202043-05	02/07/12 13:36	5.00	5.00
GW0492	1202043-07	02/07/12 13:36	5.00	5.00
Blank	2B07022-BLK1	02/07/12 13:36	5.00	5.00
LCS	2B07022-BS1	02/07/12 13:36	5.00	5.00
GW0452	2B07022-MS1	02/07/12 13:36	5.00	5.00
GW0452	2B07022-MSD1	02/07/12 13:36	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B09003 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0453	1202054-01	02/09/12 07:26	5.00	5.00
GW0454	1202054-03	02/09/12 07:26	5.00	5.00
GW0483	1202054-05	02/09/12 07:26	5.00	5.00
GW0484	1202054-07	02/09/12 07:26	5.00	5.00
GW0485	1202054-09	02/09/12 07:26	5.00	5.00
Blank	2B09003-BLK1	02/09/12 07:26	5.00	5.00
LCS	2B09003-BS1	02/09/12 07:26	5.00	5.00
GW0453	2B09003-MS1	02/09/12 07:26	5.00	5.00
GW0453	2B09003-MSD1	02/09/12 07:26	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B10006 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/10/12 07:16	5.00	5.00
GW0426	1202069-03	02/10/12 07:16	5.00	5.00
GW0427	1202069-05	02/10/12 07:16	5.00	5.00
GW0479	1202069-07	02/10/12 07:16	5.00	5.00
GW0490	1202069-09	02/10/12 07:16	5.00	5.00
GW8041-RB	1202069-11	02/10/12 07:16	5.00	5.00
GW0406	1202080-01	02/10/12 07:16	5.00	5.00
GW0416	1202080-03	02/10/12 07:16	5.00	5.00
GW0417	1202080-05	02/10/12 07:16	5.00	5.00
GW0425	1202080-07	02/10/12 07:16	5.00	5.00
Blank	2B10006-BLK1	02/10/12 07:16	5.00	5.00
LCS	2B10006-BS1	02/10/12 07:16	5.00	5.00
GW0490	2B10006-MS1	02/10/12 07:16	5.00	5.00
GW0490	2B10006-MSD1	02/10/12 07:16	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B13014 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0448	1202080-09RE1	02/10/12 07:16	5.00	5.00
Blank	2B13014-BLK1	02/13/12 10:06	5.00	5.00
LCS	2B13014-BS1	02/13/12 10:06	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A01310	Instrument:	GL-GCVOA2
Calibration:	2013003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12A0176	GRO Cal 0.1ppm	2A01310-CAL1	003F0301.D	01/10/12 16:43
12A0177	GRO Cal 0.2ppm	2A01310-CAL2	004F0401.D	01/10/12 17:21
12A0186	GRO Cal 0.5ppm	2A01310-CAL3	005F0501.D	01/10/12 17:59
12A0187	GRO Cal 1.0ppm	2A01310-CAL4	006F0601.D	01/10/12 18:37
12A0188	GRO Cal 2.0ppm	2A01310-CAL5	007F0701.D	01/10/12 19:14
12A0189	GRO Cal 5.0ppm	2A01310-CAL6	008F0801.D	01/10/12 19:52

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2013003	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	1/10/12 16:43	1/10/12 19:52

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	0.1	1802660	0.2	1361635	0.5	1141132	1	1304253	2	1238869	5	1204126
Bromofluorobenzene	0.01	1018300	0.02	958500	0.05	1110480	0.1	773880	0.2	884025	0.5	833310

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2013003	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	1/10/12 16:43	1/10/12 19:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1342112	17.758	7.777	1.116742E-02			20	
Bromofluorobenzene	929749.2	13.34889	20.288	0.0286463			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	009F0901.D	Calibration Date:	01/10/12 16:05
Sequence:	2A01310	Injection Date:	01/10/12
Lab Sample ID:	2A01310-ICV1	Injection Time:	20:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5640	1342112	1513952		12.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	003F0301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03801	Injection Date:	02/06/12
Lab Sample ID:	2B03801-CCV1	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4917	1342112	1319932		-1.7	20
Bromofluorobenzene	A	0.05000	0.04462	929749.2	829620		-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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	013F1301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03801	Injection Date:	02/06/12
Lab Sample ID:	2B03801-CCV2	Injection Time:	22:15

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4593	1342112	1232806		-8.1	20
Bromofluorobenzene	A	0.05000	0.04495	929749.2	835880		-10.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	003F0301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03904	Injection Date:	02/07/12
Lab Sample ID:	2B03904-CCV1	Injection Time:	16:11

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5993	1342112	1608768		19.9	20
Bromofluorobenzene	A	0.05000	0.04800	929749.2	892500		-4.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	012F1201.D	Calibration Date:	01/10/12 16:05
Sequence:	2B03904	Injection Date:	02/07/12
Lab Sample ID:	2B03904-CCV2	Injection Time:	21:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4610	1342112	1237466		-7.8	20
Bromofluorobenzene	A	0.05000	0.04029	929749.2	749240		-19.4	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	003F0301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B04106	Injection Date:	02/09/12
Lab Sample ID:	2B04106-CCV1	Injection Time:	10:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5317	1342112	1427096		6.3	20
Bromofluorobenzene	A	0.05000	0.04389	929749.2	816060		-12.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	013F1301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B04106	Injection Date:	02/09/12
Lab Sample ID:	2B04106-CCV2	Injection Time:	17:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4723	1342112	1267668		-5.5	20
Bromofluorobenzene	A	0.05000	0.04185	929749.2	778180		-16.3	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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	004F0401.D	Calibration Date:	01/10/12 16:05
Sequence:	2B04404	Injection Date:	02/10/12
Lab Sample ID:	2B04404-CCV1	Injection Time:	10:53

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5776	1342112	1550398		15.5	20
Bromofluorobenzene	A	0.05000	0.04829	929749.2	898000		-3.4	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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	019F1901.D	Calibration Date:	01/10/12 16:05
Sequence:	2B04404	Injection Date:	02/10/12
Lab Sample ID:	2B04404-CCV2	Injection Time:	21:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4705	1342112	1263044		-5.9	20
Bromofluorobenzene	A	0.05000	0.05113	929749.2	950760		2.3	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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	003F0301.D	Calibration Date:	01/10/12 16:05
Sequence:	2B04501	Injection Date:	02/13/12
Lab Sample ID:	2B04501-CCV1	Injection Time:	12:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5299	1342112	1422378		6.0	20
Bromofluorobenzene	A	0.05000	0.04992	929749.2	928300		-0.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	015F1501.D	Calibration Date:	01/10/12 16:05
Sequence:	2B04501	Injection Date:	02/13/12
Lab Sample ID:	2B04501-CCV2	Injection Time:	20:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4427	1342112	1188392		-11.5	20
Bromofluorobenzene	A	0.05000	0.04876	929749.2	906740		-2.5	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03801	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03801-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/06/12 15:59		
Bromofluorobenzene	0.05000	89.2	80 - 120	20.263	20.263	0.0000	+/-0.210	
LCS (2B06028-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/06/12 16:36		
Bromofluorobenzene	0.05000	91.7	50 - 150	20.27	20.263	0.0070	+/-0.210	
Blank (2B06028-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/06/12 17:14		
Bromofluorobenzene	0.05000	108	50 - 150	20.273	20.263	0.0100	+/-0.210	
GW0381 (1202035-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/06/12 17:51		
Bromofluorobenzene	0.05000	103	50 - 150	20.276	20.263	0.0130	+/-0.210	
GW0386 (1202035-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/06/12 18:29		
Bromofluorobenzene	0.05000	108	50 - 150	20.28	20.263	0.0170	+/-0.210	
GW0402 (1202035-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/06/12 19:07		
Bromofluorobenzene	0.05000	112	50 - 150	20.283	20.263	0.0200	+/-0.210	
GW0419 (1202035-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/06/12 19:45		
Bromofluorobenzene	0.05000	112	50 - 150	20.28	20.263	0.0170	+/-0.210	
GW0498 (1202035-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/06/12 20:23		
Bromofluorobenzene	0.05000	106	50 - 150	20.28	20.263	0.0170	+/-0.210	
Matrix Spike (2B06028-MS1) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/06/12 21:00		
Bromofluorobenzene	0.05000	86.3	50 - 150	20.286	20.263	0.0230	+/-0.210	
Matrix Spike Dup (2B06028-MSD1) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/06/12 21:37		
Bromofluorobenzene	0.05000	86.6	50 - 150	20.286	20.263	0.0230	+/-0.210	
Calibration Check (2B03801-CCV2) ug/mL				Lab File ID: 013F1301.D		Analyzed: 02/06/12 22:15		
Bromofluorobenzene	0.05000	89.9	80 - 120	20.28	20.263	0.0170	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B03904	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B03904-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/07/12 16:11		
Bromofluorobenzene	0.05000	96.0	80 - 120	20.256	20.256	0.0000	+/-0.210	
LCS (2B07022-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/07/12 16:49		
Bromofluorobenzene	0.05000	92.4	50 - 150	20.263	20.256	0.0070	+/-0.210	
Blank (2B07022-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/07/12 17:27		
Bromofluorobenzene	0.05000	92.5	50 - 150	20.266	20.256	0.0100	+/-0.210	
GW0452 (1202043-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/07/12 18:05		
Bromofluorobenzene	0.05000	114	50 - 150	20.266	20.256	0.0100	+/-0.210	
Matrix Spike (2B07022-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/07/12 18:42		
Bromofluorobenzene	0.05000	73.9	50 - 150	20.27	20.256	0.0140	+/-0.210	
Matrix Spike Dup (2B07022-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/07/12 19:20		
Bromofluorobenzene	0.05000	80.0	50 - 150	20.27	20.256	0.0140	+/-0.210	
GW0489 (1202043-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/07/12 19:58		
Bromofluorobenzene	0.05000	112	50 - 150	20.273	20.256	0.0170	+/-0.210	
GW0491 (1202043-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/07/12 20:35		
Bromofluorobenzene	0.05000	110	50 - 150	20.273	20.256	0.0170	+/-0.210	
GW0492 (1202043-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/07/12 21:13		
Bromofluorobenzene	0.05000	109	50 - 150	20.276	20.256	0.0200	+/-0.210	
Calibration Check (2B03904-CCV2) ug/mL				Lab File ID: 012F1201.D		Analyzed: 02/07/12 21:50		
Bromofluorobenzene	0.05000	80.6	80 - 120	20.276	20.256	0.0200	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04106	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04106-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/09/12 10:01		
Bromofluorobenzene	0.05000	87.8	80 - 120	20.256	20.256	0.0000	+/-0.210	
LCS (2B09003-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/09/12 10:41		
Bromofluorobenzene	0.05000	88.1	50 - 150	20.253	20.256	-0.0030	+/-0.210	
Blank (2B09003-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/09/12 11:57		
Bromofluorobenzene	0.05000	107	50 - 150	20.253	20.256	-0.0030	+/-0.210	
GW0453 (1202054-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/09/12 12:36		
Bromofluorobenzene	0.05000	117	50 - 150	20.253	20.256	-0.0030	+/-0.210	
Matrix Spike (2B09003-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/09/12 13:15		
Bromofluorobenzene	0.05000	74.9	50 - 150	20.253	20.256	-0.0030	+/-0.210	
Matrix Spike Dup (2B09003-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/09/12 13:55		
Bromofluorobenzene	0.05000	77.3	50 - 150	20.253	20.256	-0.0030	+/-0.210	
GW0454 (1202054-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/09/12 14:34		
Bromofluorobenzene	0.05000	122	50 - 150	20.256	20.256	0.0000	+/-0.210	
GW0483 (1202054-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/09/12 15:13		
Bromofluorobenzene	0.05000	121	50 - 150	20.256	20.256	0.0000	+/-0.210	
GW0484 (1202054-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/09/12 15:53		
Bromofluorobenzene	0.05000	118	50 - 150	20.256	20.256	0.0000	+/-0.210	
GW0485 (1202054-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/09/12 16:32		
Bromofluorobenzene	0.05000	117	50 - 150	20.26	20.256	0.0040	+/-0.210	
Calibration Check (2B04106-CCV2) ug/mL				Lab File ID: 013F1301.D		Analyzed: 02/09/12 17:10		
Bromofluorobenzene	0.05000	83.7	80 - 120	20.263	20.256	0.0070	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04404	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04404-CCV1) ug/mL				Lab File ID: 004F0401.D		Analyzed: 02/10/12 10:53		
Bromofluorobenzene	0.05000	96.6	80 - 120	20.253	20.253	0.0000	+/-0.210	
LCS (2B10006-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/10/12 11:50		
Bromofluorobenzene	0.05000	103	50 - 150	20.26	20.253	0.0070	+/-0.210	
Blank (2B10006-BLK1) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/10/12 12:29		
Bromofluorobenzene	0.05000	117	50 - 150	20.263	20.253	0.0100	+/-0.210	
GW0408 (1202069-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/10/12 13:07		
Bromofluorobenzene	0.05000	117	50 - 150	20.27	20.253	0.0170	+/-0.210	
GW0426 (1202069-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/10/12 13:45		
Bromofluorobenzene	0.05000	114	50 - 150	20.27	20.253	0.0170	+/-0.210	
GW0427 (1202069-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/10/12 14:42		
Bromofluorobenzene	0.05000	109	50 - 150	20.276	20.253	0.0230	+/-0.210	
GW0479 (1202069-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/10/12 15:20		
Bromofluorobenzene	0.05000	113	50 - 150	20.28	20.253	0.0270	+/-0.210	
GW0490 (1202069-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/10/12 15:57		
Bromofluorobenzene	0.05000	107	50 - 150	20.286	20.253	0.0330	+/-0.210	
Matrix Spike (2B10006-MS1) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/10/12 16:35		
Bromofluorobenzene	0.05000	51.4	50 - 150	20.286	20.253	0.0330	+/-0.210	
Matrix Spike Dup (2B10006-MSD1) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/10/12 17:13		
Bromofluorobenzene	0.05000	65.7	50 - 150	20.286	20.253	0.0330	+/-0.210	
GW8041-RB (1202069-11) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/10/12 17:51		
Bromofluorobenzene	0.05000	106	50 - 150	20.29	20.253	0.0370	+/-0.210	
GW0406 (1202080-01) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/10/12 18:29		
Bromofluorobenzene	0.05000	106	50 - 150	20.29	20.253	0.0370	+/-0.210	
GW0416 (1202080-03) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/10/12 19:07		
Bromofluorobenzene	0.05000	109	50 - 150	20.29	20.253	0.0370	+/-0.210	
GW0417 (1202080-05) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/10/12 19:45		
Bromofluorobenzene	0.05000	108	50 - 150	20.29	20.253	0.0370	+/-0.210	
GW0425 (1202080-07) mg/L				Lab File ID: 018F1801.D		Analyzed: 02/10/12 20:23		
Bromofluorobenzene	0.05000	107	50 - 150	20.29	20.253	0.0370	+/-0.210	
Calibration Check (2B04404-CCV2) ug/mL				Lab File ID: 019F1901.D		Analyzed: 02/10/12 21:01		
Bromofluorobenzene	0.05000	102	80 - 120	20.29	20.253	0.0370	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04501	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04501-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/13/12 12:27		
Bromofluorobenzene	0.05000	99.8	80 - 120	20.253	20.253	0.0000	+/-0.210	
LCS (2B13014-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/13/12 13:36		
Bromofluorobenzene	0.05000	99.8	50 - 150	20.26	20.253	0.0070	+/-0.210	
Blank (2B13014-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/13/12 14:14		
Bromofluorobenzene	0.05000	105	50 - 150	20.263	20.253	0.0100	+/-0.210	
GW0448 (1202080-09RE1) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/13/12 14:53		
Bromofluorobenzene	0.05000	108	50 - 150	20.266	20.253	0.0130	+/-0.210	
Calibration Check (2B04501-CCV2) ug/mL				Lab File ID: 015F1501.D		Analyzed: 02/13/12 20:36		
Bromofluorobenzene	0.05000	97.5	80 - 120	20.28	20.253	0.0270	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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
GW0381	02/03/12 13:19	02/04/12 08:15	02/06/12 13:30	N/A	14.00	02/06/12 17:51	3.15	14.00	
GW0386	02/03/12 10:40	02/04/12 08:15	02/06/12 13:30	N/A	14.00	02/06/12 18:29	3.28	14.00	
GW0402	02/03/12 16:22	02/04/12 08:15	02/06/12 13:30	N/A	14.00	02/06/12 19:07	3.07	14.00	
GW0419	02/02/12 14:44	02/04/12 08:15	02/06/12 13:30	N/A	14.00	02/06/12 19:45	4.17	14.00	
GW0498	02/03/12 12:32	02/04/12 08:15	02/06/12 13:30	N/A	14.00	02/06/12 20:23	3.29	14.00	
GW0452	02/06/12 11:00	02/07/12 08:30	02/07/12 13:36	N/A	14.00	02/07/12 18:05	1.25	14.00	
GW0489	02/06/12 13:42	02/07/12 08:30	02/07/12 13:36	N/A	14.00	02/07/12 19:58	1.22	14.00	
GW0491	02/06/12 11:13	02/07/12 08:30	02/07/12 13:36	N/A	14.00	02/07/12 20:35	1.35	14.00	
GW0492	02/06/12 11:13	02/07/12 08:30	02/07/12 13:36	N/A	14.00	02/07/12 21:13	1.38	14.00	
GW0453	02/06/12 15:40	02/08/12 09:00	02/09/12 07:26	N/A	14.00	02/09/12 12:36	2.83	14.00	
GW0454	02/07/12 11:51	02/08/12 09:00	02/09/12 07:26	N/A	14.00	02/09/12 14:34	2.07	14.00	
GW0483	02/07/12 12:57	02/08/12 09:00	02/09/12 07:26	N/A	14.00	02/09/12 15:13	2.05	14.00	
GW0484	02/07/12 10:37	02/08/12 09:00	02/09/12 07:26	N/A	14.00	02/09/12 15:53	2.18	14.00	
GW0485	02/07/12 10:37	02/08/12 09:00	02/09/12 07:26	N/A	14.00	02/09/12 16:32	2.20	14.00	
GW0408	02/08/12 13:36	02/09/12 08:40	02/10/12 07:16	N/A	14.00	02/10/12 13:07	1.94	14.00	
GW0426	02/08/12 12:53	02/09/12 08:40	02/10/12 07:16	N/A	14.00	02/10/12 13:45	1.99	14.00	
GW0427	02/08/12 10:37	02/09/12 08:40	02/10/12 07:16	N/A	14.00	02/10/12 14:42	2.13	14.00	
GW0479	02/07/12 15:44	02/09/12 08:40	02/10/12 07:16	N/A	14.00	02/10/12 15:20	2.94	14.00	
GW0490	02/07/12 16:21	02/09/12 08:40	02/10/12 07:16	N/A	14.00	02/10/12 15:57	2.94	14.00	
GW8041-RB	02/07/12 13:20	02/09/12 08:40	02/10/12 07:16	N/A	14.00	02/10/12 17:51	3.15	14.00	
GW0406	02/09/12 11:22	02/10/12 08:20	02/10/12 07:16	N/A	14.00	02/10/12 18:29	1.25	14.00	
GW0416	02/09/12 13:06	02/10/12 08:20	02/10/12 07:16	N/A	14.00	02/10/12 19:07	1.21	14.00	
GW0417	02/09/12 10:47	02/10/12 08:20	02/10/12 07:16	N/A	14.00	02/10/12 19:45	1.33	14.00	
GW0425	02/08/12 15:13	02/10/12 08:20	02/10/12 07:16	N/A	14.00	02/10/12 20:23	2.17	14.00	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

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
GW0448	02/08/12 16:23	02/10/12 08:20	02/10/12 07:16	N/A	14.00	02/13/12 14:53	4.90	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06028-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/06/12 17:14
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B06028	Sequence:	2B03801	Calibration:	2013003	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	0.05393	108	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B06028-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/06/12 16:36
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B06028	Sequence:	2B03801	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4693	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04585	91.7	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B06028-MS1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	02/06/12 21:00
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B06028 Sequence: 2B03801 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4210	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04313	86.3	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B06028-MSD1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	02/06/12 21:37
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B06028 Sequence: 2B03801 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4049	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04328	86.6	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B07022-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/07/12 17:27
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B07022 Sequence: 2B03904 Calibration: 2013003 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	0.04624	92.5	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B07022-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/07/12 16:49
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B07022	Sequence:	2B03904	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5311	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04622	92.4	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B07022-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/07/12 18:42
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B07022 Sequence: 2B03904 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.6810	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03693	73.9	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B07022-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/07/12 19:20
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B07022	Sequence:	2B03904	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.6623	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04002	80.0	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B09003-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/09/12 11:57
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B09003	Sequence:	2B04106	Calibration:	2013003	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	0.05352	107	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B09003-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/09/12 10:41
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B09003	Sequence:	2B04106	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5528	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04403	88.1	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B09003-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/09/12 13:15
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B09003 Sequence: 2B04106 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5849	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03745	74.9	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_043	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B09003-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/09/12 13:55
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B09003 Sequence: 2B04106 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5864	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03864	77.3	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B10006-BLK1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	02/10/12 12:29
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B10006 Sequence: 2B04404 Calibration: 2013003 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	0.05832	117	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B10006-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/10/12 11:50
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B10006	Sequence:	2B04404	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5671	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05139	103	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B10006-MS1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	02/10/12 16:35
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B10006	Sequence:	2B04404	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4116	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.02572	51.4	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B10006-MSD1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	02/10/12 17:13
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B10006	Sequence:	2B04404	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4033	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03286	65.7	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B13014-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/13/12 14:14
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B13014	Sequence:	2B04501	Calibration:	2013003	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	0.05241	105	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B13014-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/13/12 13:36
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B13014	Sequence:	2B04501	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5220	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04990	99.8	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A03112	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2A03112-CAL1	002R0101.D	01/27/12 13:49
Cal Standard	2A03112-CAL1	002F0101.D	01/27/12 13:49
Cal Standard	2A03112-CAL2	003F0101.D	01/27/12 14:10
Cal Standard	2A03112-CAL2	003R0101.D	01/27/12 14:10
Cal Standard	2A03112-CAL3	004F0101.D	01/27/12 14:32
Cal Standard	2A03112-CAL3	004R0101.D	01/27/12 14:32
Cal Standard	2A03112-CAL4	005F0101.D	01/27/12 14:53
Cal Standard	2A03112-CAL4	005R0101.D	01/27/12 14:53
Cal Standard	2A03112-CAL5	006R0101.D	01/27/12 15:14
Cal Standard	2A03112-CAL5	006F0101.D	01/27/12 15:14
Cal Standard	2A03112-CAL6	007R0101.D	01/27/12 15:35
Cal Standard	2A03112-CAL6	007F0101.D	01/27/12 15:35
Cal Standard	2A03112-CAL7	008F0101.D	01/27/12 15:56
Cal Standard	2A03112-CAL7	008R0101.D	01/27/12 15:56
Cal Standard	2A03112-CAL8	009F0101.D	01/27/12 16:18
Cal Standard	2A03112-CAL8	009R0101.D	01/27/12 16:18
Cal Standard	2A03112-CAL9	010F0101.D	01/27/12 16:39
Cal Standard	2A03112-CAL9	010R0101.D	01/27/12 16:39
Initial Cal Check	2A03112-ICV1	011R0101.D	01/27/12 17:01
Initial Cal Check	2A03112-ICV1	011F0101.D	01/27/12 17:01

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04002	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04002-CCV1	002R0101.D	02/08/12 09:58
Calibration Check	2B04002-CCV1	002F0101.D	02/08/12 09:58
Blank	2B07021-BLK1	003R0101.D	02/08/12 10:19
LCS	2B07021-BS1	004R0101.D	02/08/12 10:41
LCS	2B07021-BS1	004F0101.D	02/08/12 10:41
GW0381	1202035-01	005F0101.D	02/08/12 11:02
GW0386	1202035-03	006R0101.D	02/08/12 11:23
GW0402	1202035-05	007F0101.D	02/08/12 11:45
GW0402	1202035-05	007R0101.D	02/08/12 11:45
GW0419	1202035-07	008R0101.D	02/08/12 12:06
GW0419	1202035-07	008F0101.D	02/08/12 12:06
GW0498	1202035-09	009F0101.D	02/08/12 12:27
GW0452	1202043-01	010R0101.D	02/08/12 12:49
GW0452	1202043-01	010F0101.D	02/08/12 12:49
GW0452	2B07021-MS1	011F0101.D	02/08/12 13:10
GW0452	2B07021-MS1	011R0101.D	02/08/12 13:10
GW0452	2B07021-MSD1	012R0101.D	02/08/12 13:31
GW0452	2B07021-MSD1	012F0101.D	02/08/12 13:31
GW0489	1202043-03	013R0101.D	02/08/12 13:52
GW0491	1202043-05	014R0101.D	02/08/12 14:14
GW0492	1202043-07	015R0101.D	02/08/12 14:35
Calibration Check	2B04002-CCV2	016R0101.D	02/08/12 14:56
Calibration Check	2B04002-CCV2	016F0101.D	02/08/12 14:56

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04602	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04602-CCV1	002R0101.D	02/14/12 09:36
Calibration Check	2B04602-CCV1	002F0101.D	02/14/12 09:36
Blank	2B09001-BLK1	003R0101.D	02/14/12 09:57
LCS	2B09001-BS1	004R0101.D	02/14/12 10:18
LCS	2B09001-BS1	004F0101.D	02/14/12 10:18
LCS Dup	2B09001-BSD1	005R0101.D	02/14/12 10:39
LCS Dup	2B09001-BSD1	005F0101.D	02/14/12 10:39
GW0453	1202054-01	006F0101.D	02/14/12 11:00
GW0454	1202054-03	007F0101.D	02/14/12 11:21
GW0454	1202054-03	007R0101.D	02/14/12 11:21
GW0483	1202054-05	008R0101.D	02/14/12 11:42
GW0484	1202054-07	009R0101.D	02/14/12 12:04
GW0485	1202054-09	010R0101.D	02/14/12 12:25
Blank	2B10007-BLK1	011R0101.D	02/14/12 12:46
LCS	2B10007-BS1	012F0101.D	02/14/12 13:08
LCS	2B10007-BS1	012R0101.D	02/14/12 13:08
GW0408	1202069-01	013R0101.D	02/14/12 13:29
GW0426	1202069-03	014R0101.D	02/14/12 13:50
GW0427	1202069-05	015F0101.D	02/14/12 14:12
GW0479	1202069-07	016F0101.D	02/14/12 14:33
GW0479	1202069-07	016R0101.D	02/14/12 14:33
GW0490	1202069-09	017R0101.D	02/14/12 14:55
GW0490	2B10007-MS1	018R0101.D	02/14/12 15:16
GW0490	2B10007-MS1	018F0101.D	02/14/12 15:16
GW0490	2B10007-MSD1	019R0101.D	02/14/12 15:38
GW0490	2B10007-MSD1	019F0101.D	02/14/12 15:38
Calibration Check	2B04602-CCV2	020R0101.D	02/14/12 15:59
Calibration Check	2B04602-CCV2	020F0101.D	02/14/12 15:59

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05104	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05104-CCV1	002R0101.D	02/17/12 11:30
Calibration Check	2B05104-CCV1	002F0101.D	02/17/12 11:30
Blank	2B13020-BLK1	003R0101.D	02/17/12 11:51
LCS	2B13020-BS1	004R0101.D	02/17/12 12:13
LCS	2B13020-BS1	004F0101.D	02/17/12 12:13
LCS Dup	2B13020-BSD1	005R0101.D	02/17/12 12:35
LCS Dup	2B13020-BSD1	005F0101.D	02/17/12 12:35
GW0406	1202080-01	006F0101.D	02/17/12 12:57
GW0416	1202080-03	007R0101.D	02/17/12 13:18
GW0417	1202080-05	008R0101.D	02/17/12 13:40
GW0425	1202080-07	009R0101.D	02/17/12 14:02
GW0448	1202080-09	010R0101.D	02/17/12 14:23
GW0448	1202080-09	010F0101.D	02/17/12 14:23
Calibration Check	2B05104-CCV2	016R0101.D	02/17/12 16:30
Calibration Check	2B05104-CCV2	016F0101.D	02/17/12 16:30

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01	File ID:	005F0101.D
Sampled:	02/03/12 13:19	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 11:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00932	0.0186	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03	File ID:	006R0101.D
Sampled:	02/03/12 10:40	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 11:23
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00923	0.0185	0.0277	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05	File ID:	007R0101.D
Sampled:	02/03/12 16:22	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 11:45
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.752	0.00938	0.0188	0.0282	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07	File ID:	008R0101.D
Sampled:	02/02/12 14:44	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 12:06
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.676	0.00938	0.0188	0.0281	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09	File ID:	009F0101.D
Sampled:	02/03/12 12:32	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 12:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 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

GW0452

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01	File ID:	010R0101.D
Sampled:	02/06/12 11:00	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 12:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.139	0.00937	0.0187	0.0281	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03	File ID:	013R0101.D
Sampled:	02/06/12 13:42	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 13:52
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 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

GW0491

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05	File ID:	014R0101.D
Sampled:	02/06/12 11:13	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 14:14
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00940	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07	File ID:	015R0101.D
Sampled:	02/06/12 11:13	Prepared:	02/08/12 07:34	Analyzed:	02/08/12 14:35
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01	File ID:	006F0101.D
Sampled:	02/06/12 15:40	Prepared:	02/09/12 07:24	Analyzed:	02/14/12 11:00
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03	File ID:	007R0101.D
Sampled:	02/07/12 11:51	Prepared:	02/09/12 07:24	Analyzed:	02/14/12 11:21
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.251	0.00946	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05	File ID:	008R0101.D
Sampled:	02/07/12 12:57	Prepared:	02/09/12 07:24	Analyzed:	02/14/12 11:42
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00940	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07	File ID:	009R0101.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 07:24	Analyzed:	02/14/12 12:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00941	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09	File ID:	010R0101.D
Sampled:	02/07/12 10:37	Prepared:	02/09/12 07:24	Analyzed:	02/14/12 12:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 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

GW0408

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01	File ID:	013R0101.D
Sampled:	02/08/12 13:36	Prepared:	02/10/12 07:17	Analyzed:	02/14/12 13:29
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00950	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03	File ID:	014R0101.D
Sampled:	02/08/12 12:53	Prepared:	02/10/12 07:17	Analyzed:	02/14/12 13:50
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00951	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0427

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05	File ID:	015F0101.D
Sampled:	02/08/12 10:37	Prepared:	02/10/12 07:17	Analyzed:	02/14/12 14:12
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00952	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07	File ID:	016R0101.D
Sampled:	02/07/12 15:44	Prepared:	02/10/12 07:17	Analyzed:	02/14/12 14:33
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.628	0.00947	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09	File ID:	017R0101.D
Sampled:	02/07/12 16:21	Prepared:	02/10/12 07:17	Analyzed:	02/14/12 14:55
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01	File ID:	006F0101.D
Sampled:	02/09/12 11:22	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 12:57
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B13020 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00949	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03	File ID:	007R0101.D
Sampled:	02/09/12 13:06	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 13:18
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B13020 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00944	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05	File ID:	008R0101.D
Sampled:	02/09/12 10:47	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 13:40
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B13020 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00945	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07	File ID:	009R0101.D
Sampled:	02/08/12 15:13	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 14:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B13020 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00942	0.0188	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09	File ID:	010R0101.D
Sampled:	02/08/12 16:23	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 14:23
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B13020 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.245	0.00948	0.0190	0.0284	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07021	Laboratory ID:	2B07021-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	0.4780	95.6	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5915	118	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09001	Laboratory ID:	2B09001-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	0.5046	101	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5653	113	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	0.4829	96.6	4.40	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5626	113	0.472	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B10007	Laboratory ID:	2B10007-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	0.4970	99.4	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5304	106	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13020	Laboratory ID:	2B13020-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	0.5413	108	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5835	117	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	0.5406	108	0.118	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5956	119	2.05	20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B07021

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4743	0.1175	0.5410	89.3		70 - 130
1,2-Dibromoethane [2C]	0.4743	0.1391	0.6076	98.8		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4680	0.4978	81.2	8.32		20	70 - 130
1,2-Dibromoethane [2C]	0.4680	0.5953	97.5	2.04		20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B10007

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4732	ND	0.4224	89.3		70 - 130
1,2-Dibromoethane [2C]	0.4732	ND	0.4502	95.1		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4709	0.4183	88.8	0.980		20	70 - 130
1,2-Dibromoethane [2C]	0.4709	0.4596	97.6	2.07		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B07021 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/08/12 07:34	37.56	35.00
GW0386	1202035-03	02/08/12 07:34	37.94	35.00
GW0402	1202035-05	02/08/12 07:34	37.30	35.00
GW0419	1202035-07	02/08/12 07:34	37.33	35.00
GW0498	1202035-09	02/08/12 07:34	37.32	35.00
GW0452	1202043-01	02/08/12 07:34	37.34	35.00
GW0489	1202043-03	02/08/12 07:34	37.31	35.00
GW0491	1202043-05	02/08/12 07:34	37.23	35.00
GW0492	1202043-07	02/08/12 07:34	37.01	35.00
Blank	2B07021-BLK1	02/08/12 07:34	35.00	35.00
LCS	2B07021-BS1	02/08/12 07:34	35.00	35.00
GW0452	2B07021-MS1	02/08/12 07:34	36.90	35.00
GW0452	2B07021-MSD1	02/08/12 07:34	37.39	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B09001 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0453	1202054-01	02/09/12 07:24	36.99	35.00
GW0454	1202054-03	02/09/12 07:24	37.00	35.00
GW0483	1202054-05	02/09/12 07:24	37.22	35.00
GW0484	1202054-07	02/09/12 07:24	37.21	35.00
GW0485	1202054-09	02/09/12 07:24	37.12	35.00
Blank	2B09001-BLK1	02/09/12 07:24	35.00	35.00
LCS	2B09001-BS1	02/09/12 07:24	35.00	35.00
LCS Dup	2B09001-BSD1	02/09/12 07:24	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B10007 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/10/12 07:17	36.86	35.00
GW0426	1202069-03	02/10/12 07:17	36.81	35.00
GW0427	1202069-05	02/10/12 07:17	36.78	35.00
GW0479	1202069-07	02/10/12 07:17	36.94	35.00
GW0490	1202069-09	02/10/12 07:17	37.00	35.00
Blank	2B10007-BLK1	02/10/12 07:17	35.00	35.00
LCS	2B10007-BS1	02/10/12 07:17	35.00	35.00
GW0490	2B10007-MS1	02/10/12 07:17	36.98	35.00
GW0490	2B10007-MSD1	02/10/12 07:17	37.16	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B13020 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0406	1202080-01	02/13/12 12:27	36.90	35.00
GW0416	1202080-03	02/13/12 12:27	37.08	35.00
GW0417	1202080-05	02/13/12 12:27	37.02	35.00
GW0425	1202080-07	02/13/12 12:27	37.15	35.00
GW0448	1202080-09	02/13/12 12:27	36.91	35.00
Blank	2B13020-BLK1	02/13/12 12:27	35.00	35.00
LCS	2B13020-BS1	02/13/12 12:27	35.00	35.00
LCS Dup	2B13020-BSD1	02/13/12 12:27	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B07021-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	02/08/12 07:34	Analyzed:	02/08/12 10:19
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 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_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B09001-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	02/09/12 07:24	Analyzed:	02/14/12 09:57
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 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_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B10007-BLK1	File ID:	011R0101.D
Sampled:		Prepared:	02/10/12 07:17	Analyzed:	02/14/12 12:46
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 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_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B13020-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	02/13/12 12:27	Analyzed:	02/17/12 11:51
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B13020 Sequence: 2B05104 Calibration: 2031002 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_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A03112	Instrument:	GL-ECD2
Calibration:	2031002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12A0603	EDB ICAL 1 (0.02ppb)	2A03112-CAL1	002R0101.D	01/27/12 13:49
12A0603	EDB ICAL 1 (0.02ppb)	2A03112-CAL1	002F0101.D	01/27/12 13:49
12A0604	EDB ICAL 2 (0.03ppb)	2A03112-CAL2	003F0101.D	01/27/12 14:10
12A0604	EDB ICAL 2 (0.03ppb)	2A03112-CAL2	003R0101.D	01/27/12 14:10
12A0605	EDB ICAL 3 (0.05ppb)	2A03112-CAL3	004F0101.D	01/27/12 14:32
12A0605	EDB ICAL 3 (0.05ppb)	2A03112-CAL3	004R0101.D	01/27/12 14:32
12A0606	EDB ICAL 4 (0.10ppb)	2A03112-CAL4	005R0101.D	01/27/12 14:53
12A0606	EDB ICAL 4 (0.10ppb)	2A03112-CAL4	005F0101.D	01/27/12 14:53
12A0607	EDB ICAL 5 (0.15ppb)	2A03112-CAL5	006R0101.D	01/27/12 15:14
12A0607	EDB ICAL 5 (0.15ppb)	2A03112-CAL5	006F0101.D	01/27/12 15:14
12A0608	EDB ICAL 6 (0.2ppb)	2A03112-CAL6	007F0101.D	01/27/12 15:35
12A0608	EDB ICAL 6 (0.2ppb)	2A03112-CAL6	007R0101.D	01/27/12 15:35
12A0609	EDB ICAL 7 (0.4ppb)	2A03112-CAL7	008F0101.D	01/27/12 15:56
12A0609	EDB ICAL 7 (0.4ppb)	2A03112-CAL7	008R0101.D	01/27/12 15:56
12A0610	EDB ICAL 8 (0.5ppb)	2A03112-CAL8	009F0101.D	01/27/12 16:18
12A0610	EDB ICAL 8 (0.5ppb)	2A03112-CAL8	009R0101.D	01/27/12 16:18
12A0611	EDB ICAL 9 (1.0ppb)	2A03112-CAL9	010R0101.D	01/27/12 16:39
12A0611	EDB ICAL 9 (1.0ppb)	2A03112-CAL9	010F0101.D	01/27/12 16:39

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2031002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	1/27/12_13:49	1/27/12_16:39

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	0.02	287100	0.03	202033.3	0.05	132560	0.1	91150	0.15	70960	0.2	63740
1,2-Dibromoethane [2C]	0.02	55400	0.03	49400	0.05	42020	0.1	38200	0.15	36873.33	0.2	35525
1,2-Dibromo-3-chloropropane	0.02	222850	0.03	171233.3	0.05	123480	0.1	93430	0.15	83613.34	0.2	77995
1,2-Dibromo-3-chloropropane [2C]	0.02	369350	0.03	271766.7	0.05	191340	0.1	123510	0.15	101186.7	0.2	88030

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2031002	Instrument:	GL-ECD2
Matrix:	Water	Calibration Dates:	1/27/12 13:49 1/27/12 16:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.4	47855	0.5	43860	1	35967						
1,2-Dibromoethane [2C]	0.4	32047.5	0.5	32036	1	30092						
1,2-Dibromo-3-chloropropane	0.4	63770	0.5	59166	1	50409						
1,2-Dibromo-3-chloropropane [2C]	0.4	69602.5	0.5	65082	1	55224						

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2031002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	1/27/12 13:49	1/27/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	108358.4	78.61695	2.409222	0.349693		0.9996656	0.995	
1,2-Dibromoethane [2C]	39065.98	21.78865	2.283444	0.2902418	0.9990539		0.995	
1,2-Dibromo-3-chloropropane	105105.2	54.98381	8.503667	2.539815E-02		0.999749	0.995	
1,2-Dibromo-3-chloropropane [2C]	148343.5	73.15266	8.690889	2.265177E-02	0.997792		0.995	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	011F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2A03112	Injection Date:	01/27/12
Lab Sample ID:	2A03112-ICV1	Injection Time:	17:01

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4983	108358.4	44292		-0.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5321	39065.98	33180		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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	002F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B04002	Injection Date:	02/08/12
Lab Sample ID:	2B04002-CCV1	Injection Time:	09:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4588	108358.4	41884		-8.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.5372	39065.98	33484		7.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	016F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B04002	Injection Date:	02/08/12
Lab Sample ID:	2B04002-CCV2	Injection Time:	14:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4327	108358.4	40272		-13.5	20
1,2-Dibromoethane [2C]	L	0.5000	0.5070	39065.98	31698		1.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	002F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B04602	Injection Date:	02/14/12
Lab Sample ID:	2B04602-CCV1	Injection Time:	09:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4651	108358.4	42274		-7.0	20
1,2-Dibromoethane [2C]	L	0.5000	0.4936	39065.98	30900		-1.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	020F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B04602	Injection Date:	02/14/12
Lab Sample ID:	2B04602-CCV2	Injection Time:	15:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4217	108358.4	39582		-15.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.4427	39065.98	27888		-11.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	002F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B05104	Injection Date:	02/17/12
Lab Sample ID:	2B05104-CCV1	Injection Time:	11:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5037	108358.4	44620		0.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.5427	39065.98	33808		8.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	016F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B05104	Injection Date:	02/17/12
Lab Sample ID:	2B05104-CCV2	Injection Time:	16:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4753	108358.4	42896		-4.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.5157	39065.98	32210		3.1	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_043

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
GW0381	02/03/12 13:19	02/04/12 08:15	02/08/12 07:34	N/A	14.00	02/08/12 11:02	4.86	14.00	
GW0386	02/03/12 10:40	02/04/12 08:15	02/08/12 07:34	N/A	14.00	02/08/12 11:23	4.99	14.00	
GW0402	02/03/12 16:22	02/04/12 08:15	02/08/12 07:34	N/A	14.00	02/08/12 11:45	4.77	14.00	
GW0419	02/02/12 14:44	02/04/12 08:15	02/08/12 07:34	N/A	14.00	02/08/12 12:06	5.85	14.00	
GW0498	02/03/12 12:32	02/04/12 08:15	02/08/12 07:34	N/A	14.00	02/08/12 12:27	4.95	14.00	
GW0452	02/06/12 11:00	02/07/12 08:30	02/08/12 07:34	N/A	14.00	02/08/12 12:49	2.03	14.00	
GW0489	02/06/12 13:42	02/07/12 08:30	02/08/12 07:34	N/A	14.00	02/08/12 13:52	1.97	14.00	
GW0491	02/06/12 11:13	02/07/12 08:30	02/08/12 07:34	N/A	14.00	02/08/12 14:14	2.08	14.00	
GW0492	02/06/12 11:13	02/07/12 08:30	02/08/12 07:34	N/A	14.00	02/08/12 14:35	2.10	14.00	
GW0453	02/06/12 15:40	02/08/12 09:00	02/09/12 07:24	N/A	14.00	02/14/12 11:00	7.76	14.00	
GW0454	02/07/12 11:51	02/08/12 09:00	02/09/12 07:24	N/A	14.00	02/14/12 11:21	6.94	14.00	
GW0483	02/07/12 12:57	02/08/12 09:00	02/09/12 07:24	N/A	14.00	02/14/12 11:42	6.91	14.00	
GW0484	02/07/12 10:37	02/08/12 09:00	02/09/12 07:24	N/A	14.00	02/14/12 12:04	7.02	14.00	
GW0485	02/07/12 10:37	02/08/12 09:00	02/09/12 07:24	N/A	14.00	02/14/12 12:25	7.03	14.00	
GW0408	02/08/12 13:36	02/09/12 08:40	02/10/12 07:17	N/A	14.00	02/14/12 13:29	5.95	14.00	
GW0426	02/08/12 12:53	02/09/12 08:40	02/10/12 07:17	N/A	14.00	02/14/12 13:50	6.00	14.00	
GW0427	02/08/12 10:37	02/09/12 08:40	02/10/12 07:17	N/A	14.00	02/14/12 14:12	6.11	14.00	
GW0479	02/07/12 15:44	02/09/12 08:40	02/10/12 07:17	N/A	14.00	02/14/12 14:33	6.91	14.00	
GW0490	02/07/12 16:21	02/09/12 08:40	02/10/12 07:17	N/A	14.00	02/14/12 14:55	6.90	14.00	
GW0406	02/09/12 11:22	02/10/12 08:20	02/13/12 12:27	N/A	14.00	02/17/12 12:57	8.02	14.00	
GW0416	02/09/12 13:06	02/10/12 08:20	02/13/12 12:27	N/A	14.00	02/17/12 13:18	7.97	14.00	
GW0417	02/09/12 10:47	02/10/12 08:20	02/13/12 12:27	N/A	14.00	02/17/12 13:40	8.08	14.00	
GW0425	02/08/12 15:13	02/10/12 08:20	02/13/12 12:27	N/A	14.00	02/17/12 14:02	8.91	14.00	
GW0448	02/08/12 16:23	02/10/12 08:20	02/13/12 12:27	N/A	14.00	02/17/12 14:23	8.88	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B07021-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	02/08/12 10:41
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B07021	Sequence:	2B04002	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4780	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B07021-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	02/08/12 10:41
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B07021	Sequence:	2B04002	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5915	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B07021-MS1	File ID:	011F0101.D
Sampled:		Prepared:		Analyzed:	02/08/12 13:10
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5410	0.00949	0.0190	0.0285	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B07021-MS1	File ID:	011R0101.D
Sampled:		Prepared:		Analyzed:	02/08/12 13:10
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.6076	0.00949	0.0190	0.0285	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B07021-MSD1	File ID:	012F0101.D
Sampled:		Prepared:		Analyzed:	02/08/12 13:31
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B07021 Sequence: 2B04002 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4978	0.00936	0.0187	0.0281	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B07021-MSD1	File ID:	012R0101.D
Sampled:		Prepared:		Analyzed:	02/08/12 13:31
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B07021	Sequence:	2B04002	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5953	0.00936	0.0187	0.0281	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B09001-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 10:18
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B09001	Sequence:	2B04602	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5046	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B09001-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 10:18
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5653	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B09001-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 10:39
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4829	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B09001-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 10:39
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B09001 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5626	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B10007-BS1	File ID:	012F0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 13:08
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B10007	Sequence:	2B04602	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4970	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B10007-BS1	File ID:	012R0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 13:08
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B10007	Sequence:	2B04602	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5304	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B10007-MS1	File ID:	018F0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 15:16
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4224	0.00946	0.0189	0.0284	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B10007-MS1	File ID:	018R0101.D
Sampled:		Prepared:		Analyzed:	02/14/12 15:16
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B10007 Sequence: 2B04602 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4502	0.00946	0.0189	0.0284	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B10007-MSD1
File ID: 019F0101.D
Sampled:
Prepared:
Analyzed: 02/14/12 15:38
Solids:
Preparation: EDB
Dilution:
Batch: 2B10007
Sequence: 2B04602
Calibration: 2031002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4183	0.00942	0.0188	0.0283	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B10007-MSD1
File ID: 019R0101.D
Sampled:
Prepared:
Analyzed: 02/14/12 15:38
Solids:
Preparation: EDB
Dilution:
Batch: 2B10007
Sequence: 2B04602
Calibration: 2031002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4596	0.00942	0.0188	0.0283	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B13020-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 12:13
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B13020	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5413	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B13020-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 12:13
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B13020	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5835	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_043
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B13020-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 12:35
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B13020 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5406	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B13020-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 12:35
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B13020	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5956	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0402

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202035-05

Date(s) Analyzed: 02/08/2012 02/08/2012

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	2.42	2.38	2.44	0.636	
	2	2.29	2.25	2.31	0.752	17

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0419

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202035-07 Date(s) Analyzed: 02/08/2012 02/08/2012

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	2.42	2.38	2.44	0.579	
	2	2.29	2.25	2.31	0.676	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0452

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202043-01 Date(s) Analyzed: 02/08/2012 02/08/2012

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	2.42	2.38	2.44	0.118	
	2	2.29	2.25	2.31	0.139	17

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B07021-BS1 Date(s) Analyzed: 02/08/2012 02/08/2012

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	2.42	2.38	2.44	0.4780	
	2	2.29	2.25	2.31	0.5915	21

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B07021-MS1 Date(s) Analyzed: 02/08/2012 02/08/2012

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	2.42	2.38	2.44	0.5410	
	2	2.29	2.25	2.31	0.6076	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B07021-MSD1 Date(s) Analyzed: 02/08/2012 02/08/2012

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	2.42	2.38	2.44	0.4978	
	2	2.29	2.25	2.31	0.5953	18

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0454

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202054-03 Date(s) Analyzed: 02/14/2012 02/14/2012

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	2.42	2.38	2.44	0.237	
	2	2.29	2.25	2.31	0.251	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B09001-BS1 Date(s) Analyzed: 02/14/2012 02/14/2012

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	2.42	2.38	2.44	0.5046	
	2	2.29	2.25	2.31	0.5653	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B09001-BSD1 Date(s) Analyzed: 02/14/2012 02/14/2012

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	2.42	2.38	2.44	0.4829	
	2	2.29	2.25	2.31	0.5626	15

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0479

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202069-07

Date(s) Analyzed: 02/14/2012 02/14/2012

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	2.42	2.38	2.44	0.505	
	2	2.29	2.25	2.31	0.628	22

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B10007-BS1 Date(s) Analyzed: 02/14/2012 02/14/2012

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	2.42	2.38	2.44	0.4970	
	2	2.29	2.25	2.31	0.5304	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B10007-MS1

Date(s) Analyzed: 02/14/2012 02/14/2012

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	2.41	2.38	2.44	0.4224	
	2	2.28	2.25	2.31	0.4502	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B10007-MSD1 Date(s) Analyzed: 02/14/2012 02/14/2012

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	2.42	2.38	2.44	0.4183	
	2	2.29	2.25	2.31	0.4596	9

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0448

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202080-09 Date(s) Analyzed: 02/17/2012 02/17/2012

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	2.41	2.38	2.44	0.233	
	2	2.28	2.25	2.31	0.245	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B13020-BS1 Date(s) Analyzed: 02/17/2012 02/17/2012

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	2.41	2.38	2.44	0.5413	
	2	2.27	2.25	2.31	0.5835	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B13020-BSD1 Date(s) Analyzed: 02/17/2012 02/17/2012

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	2.41	2.38	2.44	0.5406	
	2	2.28	2.25	2.31	0.5956	10

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01
Sampled:	02/03/12 13:19	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54300	1000	2000	5000	1		SW6010B	2B17004	02/20/12 15:10
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17004	02/20/12 15:10
7439-95-4	Magnesium	8150	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:10
7440-09-7	Potassium	2720	1000	3000	5000	1	J	SW6010B	2B17004	02/20/12 15:10
7440-23-5	Sodium	26000	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:10

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-02
Sampled:	02/03/12 13:19	Received:	02/04/12 08:15
% 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	2B17014	02/20/12 18:08
7439-96-5	Manganese (dissolved)	25.7	3.00	6.00	15.0	1		SW6010B	2B17014	02/20/12 18:08

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03
Sampled:	02/03/12 10:40	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42400	1000	2000	5000	1		SW6010B	2B17004	02/20/12 15:15
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17004	02/20/12 15:15
7439-95-4	Magnesium	5890	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:15
7440-09-7	Potassium	2230	1000	3000	5000	1	J	SW6010B	2B17004	02/20/12 15:15
7440-23-5	Sodium	25200	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:15

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-04
Sampled:	02/03/12 10:40	Received:	02/04/12 08:15
% 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	2B17014	02/20/12 18:13
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 18:13

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05
Sampled:	02/03/12 16:22	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47500	1000	2000	5000	1		SW6010B	2B17004	02/20/12 15:19
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17004	02/20/12 15:19
7439-95-4	Magnesium	6320	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:19
7440-09-7	Potassium	2410	1000	3000	5000	1	J	SW6010B	2B17004	02/20/12 15:19
7440-23-5	Sodium	25400	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:19

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-06
Sampled:	02/03/12 16:22	Received:	02/04/12 08:15
% 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	2B17014	02/20/12 18:17
7439-96-5	Manganese (dissolved)	95.8	3.00	6.00	15.0	1		SW6010B	2B17014	02/20/12 18:17

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07
Sampled:	02/02/12 14:44	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	62500	1000	2000	5000	1		SW6010B	2B17004	02/20/12 15:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17004	02/20/12 15:23
7439-95-4	Magnesium	8150	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:23
7440-09-7	Potassium	3120	1000	3000	5000	1	J	SW6010B	2B17004	02/20/12 15:23
7440-23-5	Sodium	28300	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:23

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-08
Sampled:	02/02/12 14:44	Received:	02/04/12 08:15
% 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	2B17014	02/20/12 18:22
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 18:22

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09
Sampled:	02/03/12 12:32	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39100	1000	2000	5000	1		SW6010B	2B17004	02/20/12 15:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17004	02/20/12 15:28
7439-95-4	Magnesium	5230	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:28
7440-09-7	Potassium	2340	1000	3000	5000	1	J	SW6010B	2B17004	02/20/12 15:28
7440-23-5	Sodium	22900	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:28

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-10
Sampled:	02/02/12 12:32	Received:	02/04/12 08:15
% 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	2B17014	02/20/12 18:26
7439-96-5	Manganese (dissolved)	4.28	3.00	6.00	15.0	1	J	SW6010B	2B17014	02/20/12 18:26

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01
Sampled:	02/06/12 11:00	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	59900	1000	2000	5000	1		SW6010B	2B17004	02/20/12 15:32
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17004	02/20/12 15:32
7439-95-4	Magnesium	8050	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:32
7440-09-7	Potassium	2890	1000	3000	5000	1	J	SW6010B	2B17004	02/20/12 15:32
7440-23-5	Sodium	27500	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:32

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-02
Sampled:	02/06/12 11:00	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2B17014	02/20/12 18:31
7439-96-5	Manganese (dissolved)	51.1	3.00	6.00	15.0	1		SW6010B	2B17014	02/20/12 18:31

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03
Sampled:	02/06/12 13:42	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	102000	1000	2000	5000	1		SW6010B	2B17004	02/20/12 15:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17004	02/20/12 15:55
7439-95-4	Magnesium	15600	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:55
7440-09-7	Potassium	3940	1000	3000	5000	1	J	SW6010B	2B17004	02/20/12 15:55
7440-23-5	Sodium	45600	1000	3000	5000	1		SW6010B	2B17004	02/20/12 15:55

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-04
Sampled:	02/06/12 13:42	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2B17014	02/20/12 18:49
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 18:49

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05
Sampled:	02/06/12 11:13	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35500	1000	2000	5000	1		SW6010B	2B17006	02/20/12 16:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17006	02/20/12 16:23
7439-95-4	Magnesium	5280	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:23
7440-09-7	Potassium	2160	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:23
7440-23-5	Sodium	21500	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:23

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-06
Sampled:	02/06/12 11:13	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2B17014	02/20/12 18:54
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 18:54

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07
Sampled:	02/06/12 11:13	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36400	1000	2000	5000	1		SW6010B	2B17006	02/20/12 16:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17006	02/20/12 16:28
7439-95-4	Magnesium	5330	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:28
7440-09-7	Potassium	2190	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:28
7440-23-5	Sodium	21300	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:28

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-08
Sampled:	02/06/12 11:13	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2B17014	02/20/12 18:58
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 18:58

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-01
Sampled:	02/06/12 15:40	Received:	02/08/12 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37500	1000	2000	5000	1		SW6010B	2B17006	02/20/12 16:32
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17006	02/20/12 16:32
7439-95-4	Magnesium	4940	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:32
7440-09-7	Potassium	2180	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:32
7440-23-5	Sodium	22600	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:32

ANALYSIS DATA SHEET

GW0453

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-02
Sampled:	02/06/12 15:40	Received:	02/08/12 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	2B17014	02/20/12 19:16
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 19:16

ANALYSIS DATA SHEET

GW0454

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/07/12 11:51
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202054-03
Received: 02/08/12 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	51800	1000	2000	5000	1		SW6010B	2B17006	02/20/12 16:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17006	02/20/12 16:37
7439-95-4	Magnesium	6800	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:37
7440-09-7	Potassium	2620	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:37
7440-23-5	Sodium	25200	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:37

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-04
Sampled:	02/07/12 11:51	Received:	02/08/12 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	2B17014	02/20/12 19:20
7439-96-5	Manganese (dissolved)	21.2	3.00	6.00	15.0	1		SW6010B	2B17014	02/20/12 19:20

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05
Sampled:	02/07/12 12:57	Received:	02/08/12 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38600	1000	2000	5000	1		SW6010B	2B17006	02/20/12 16:41
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17006	02/20/12 16:41
7439-95-4	Magnesium	5470	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:41
7440-09-7	Potassium	2240	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:41
7440-23-5	Sodium	22600	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:41

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-06
Sampled:	02/07/12 12:57	Received:	02/08/12 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	2B17014	02/20/12 19:25
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 19:25

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-07
Sampled:	02/07/12 10:37	Received:	02/08/12 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35300	1000	2000	5000	1		SW6010B	2B17006	02/20/12 16:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17006	02/20/12 16:46
7439-95-4	Magnesium	4910	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:46
7440-09-7	Potassium	2220	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:46
7440-23-5	Sodium	21800	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:46

ANALYSIS DATA SHEET

GW0484

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-08
Sampled:	02/07/12 10:37	Received:	02/08/12 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	2B17014	02/20/12 19:29
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 19:29

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-09
Sampled:	02/07/12 10:37	Received:	02/08/12 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34400	1000	2000	5000	1		SW6010B	2B17006	02/20/12 16:50
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B17006	02/20/12 16:50
7439-95-4	Magnesium	4710	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:50
7440-09-7	Potassium	2140	1000	3000	5000	1	J	SW6010B	2B17006	02/20/12 16:50
7440-23-5	Sodium	20600	1000	3000	5000	1		SW6010B	2B17006	02/20/12 16:50

ANALYSIS DATA SHEET

GW0485

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-10
Sampled:	02/07/12 10:37	Received:	02/08/12 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	2B17014	02/20/12 19:34
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B17014	02/20/12 19:34

ANALYSIS DATA SHEET

GW0408

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/08/12 13:36
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202069-01
Received: 02/09/12 08:40

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58900	1000	2000	5000	1		SW6010B	2B23006	02/24/12 11:42
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 11:42
7439-95-4	Magnesium	7970	1000	3000	5000	1		SW6010B	2B23006	02/24/12 11:42
7440-09-7	Potassium	2830	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 11:42
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2B23006	02/24/12 11:42

ANALYSIS DATA SHEET

GW0408

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-02
Sampled:	02/08/12 13:36	Received:	02/09/12 08:40
% 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	2B21027	02/22/12 15:58
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 15:58

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03
Sampled:	02/08/12 12:53	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39400	1000	2000	5000	1		SW6010B	2B23006	02/24/12 11:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 11:46
7439-95-4	Magnesium	5160	1000	3000	5000	1		SW6010B	2B23006	02/24/12 11:46
7440-09-7	Potassium	2140	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 11:46
7440-23-5	Sodium	22300	1000	3000	5000	1		SW6010B	2B23006	02/24/12 11:46

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-04
Sampled:	02/08/12 12:53	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	37.9	30.0	60.0	100	1	J	SW6010B	2B21027	02/22/12 16:02
7439-96-5	Manganese (dissolved)	371	3.00	6.00	15.0	1		SW6010B	2B21027	02/22/12 16:02

ANALYSIS DATA SHEET

GW0427

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-05
Sampled:	02/08/12 10:37	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34900	1000	2000	5000	1		SW6010B	2B23006	02/24/12 11:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 11:51
7439-95-4	Magnesium	4750	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 11:51
7440-09-7	Potassium	1990	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 11:51
7440-23-5	Sodium	21600	1000	3000	5000	1		SW6010B	2B23006	02/24/12 11:51

ANALYSIS DATA SHEET

GW0427

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-06
Sampled:	02/08/12 10:37	Received:	02/09/12 08:40
% 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	2B21027	02/22/12 16:07
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 16:07

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07
Sampled:	02/07/12 15:44	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	57100	1000	2000	5000	1		SW6010B	2B23006	02/24/12 11:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 11:55
7439-95-4	Magnesium	8290	1000	3000	5000	1		SW6010B	2B23006	02/24/12 11:55
7440-09-7	Potassium	2840	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 11:55
7440-23-5	Sodium	26300	1000	3000	5000	1		SW6010B	2B23006	02/24/12 11:55

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-08
Sampled:	02/07/12 15:44	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	322	30.0	60.0	100	1		SW6010B	2B21027	02/22/12 16:11
7439-96-5	Manganese (dissolved)	873	3.00	6.00	15.0	1		SW6010B	2B21027	02/22/12 16:11

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09
Sampled:	02/07/12 16:21	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	100000	1000	2000	5000	1		SW6010B	2B23006	02/24/12 12:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 12:00
7439-95-4	Magnesium	14500	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:00
7440-09-7	Potassium	3850	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:00
7440-23-5	Sodium	43100	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:00

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-10
Sampled:	02/07/12 16:21	Received:	02/09/12 08:40
% 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	2B21027	02/22/12 16:16
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 16:16

ANALYSIS DATA SHEET

GW8041-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-11
Sampled:	02/07/12 13:20	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium		1000	2000	5000	1	U	SW6010B	2B23006	02/24/12 12:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 12:23
7439-95-4	Magnesium		1000	3000	5000	1	U	SW6010B	2B23006	02/24/12 12:23
7440-09-7	Potassium		1000	3000	5000	1	U	SW6010B	2B23006	02/24/12 12:23
7440-23-5	Sodium		1000	3000	5000	1	U	SW6010B	2B23006	02/24/12 12:23

ANALYSIS DATA SHEET

GW8041-RB

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-12
Sampled:	02/07/12 13:20	Received:	02/09/12 08:40
% 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	2B21027	02/22/12 16:35
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 16:35

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-01
Sampled:	02/09/12 11:22	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	92500	1000	2000	5000	1		SW6010B	2B23006	02/24/12 12:27
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 12:27
7439-95-4	Magnesium	12100	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:27
7440-09-7	Potassium	3310	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:27
7440-23-5	Sodium	30400	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:27

ANALYSIS DATA SHEET

GW0406

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-02
Sampled:	02/09/12 11:22	Received:	02/10/12 08:20
% 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	2B21027	02/22/12 16:39
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 16:39

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03
Sampled:	02/09/12 13:06	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38000	1000	2000	5000	1		SW6010B	2B23006	02/24/12 12:32
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 12:32
7439-95-4	Magnesium	4810	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:32
7440-09-7	Potassium	2330	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:32
7440-23-5	Sodium	22900	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:32

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-04
Sampled:	02/09/12 13:06	Received:	02/10/12 08:20
% 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	2B21027	02/22/12 16:44
7439-96-5	Manganese (dissolved)	6.24	3.00	6.00	15.0	1	J	SW6010B	2B21027	02/22/12 16:44

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05
Sampled:	02/09/12 10:47	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35600	1000	2000	5000	1		SW6010B	2B23006	02/24/12 12:36
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 12:36
7439-95-4	Magnesium	4650	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:36
7440-09-7	Potassium	2200	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:36
7440-23-5	Sodium	23200	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:36

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-06
Sampled:	02/09/12 10:47	Received:	02/10/12 08:20
% 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	2B21027	02/22/12 16:48
7439-96-5	Manganese (dissolved)	4.44	3.00	6.00	15.0	1	J	SW6010B	2B21027	02/22/12 16:48

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07
Sampled:	02/08/12 15:13	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	40200	1000	2000	5000	1		SW6010B	2B23006	02/24/12 12:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 12:40
7439-95-4	Magnesium	5750	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:40
7440-09-7	Potassium	2170	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:40
7440-23-5	Sodium	24700	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:40

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-08
Sampled:	02/08/12 15:13	Received:	02/10/12 08:20
% 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	2B21027	02/22/12 16:52
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 16:52

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-09
Sampled:	02/08/12 16:23	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	48900	1000	2000	5000	1		SW6010B	2B23006	02/24/12 12:58
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 12:58
7439-95-4	Magnesium	6660	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:58
7440-09-7	Potassium	2450	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 12:58
7440-23-5	Sodium	25400	1000	3000	5000	1		SW6010B	2B23006	02/24/12 12:58

ANALYSIS DATA SHEET

GW0448

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-10
Sampled:	02/08/12 16:23	Received:	02/10/12 08:20
% 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	2B21027	02/22/12 17:10
7439-96-5	Manganese (dissolved)	48.3	3.00	6.00	15.0	1		SW6010B	2B21027	02/22/12 17:10

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_043
Project: Kirtland AFB 2011
Calibration: 2052001
Sequence: 2B05201

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05201-ICV1	Calcium	50000	52480	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10790	108	ug/L	+/- 10.00%
	Lead	1000	968.2	96.8	ug/L	+/- 10.00%
	Magnesium	50000	50770	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1047	105	ug/L	+/- 10.00%
	Potassium	10000	9259	92.6	ug/L	+/- 10.00%
	Sodium	50000	50140	100	ug/L	+/- 10.00%
2B05201-CCV1	Calcium	50000	52200	104	ug/L	+/- 10.00%
	Iron (dissolved)	**10000**	**11080**	**111**	**ug/L**	+/- 10.00%
	Lead	1000	957.6	95.8	ug/L	+/- 10.00%
	Magnesium	50000	50680	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1032	103	ug/L	+/- 10.00%
	Potassium	10000	9909	99.1	ug/L	+/- 10.00%
	Sodium	50000	49720	99.4	ug/L	+/- 10.00%
2B05201-CCV3	Calcium	50000	51070	102	ug/L	+/- 10.00%
	Lead	1000	1020	102	ug/L	+/- 10.00%
	Magnesium	50000	50760	102	ug/L	+/- 10.00%
	Potassium	10000	9900	99.0	ug/L	+/- 10.00%
	Sodium	50000	51600	103	ug/L	+/- 10.00%
2B05201-CCV4	Calcium	50000	49520	99.0	ug/L	+/- 10.00%
	Lead	1000	1028	103	ug/L	+/- 10.00%
	Magnesium	50000	50320	101	ug/L	+/- 10.00%
	Potassium	10000	9798	98.0	ug/L	+/- 10.00%
	Sodium	50000	52470	105	ug/L	+/- 10.00%
2B05201-CCV5	Calcium	50000	51870	104	ug/L	+/- 10.00%
	Lead	1000	1008	101	ug/L	+/- 10.00%
	Magnesium	50000	51170	102	ug/L	+/- 10.00%
	Potassium	10000	10010	100	ug/L	+/- 10.00%
	Sodium	50000	51620	103	ug/L	+/- 10.00%
2B05201-CCV6	Calcium	50000	48840	97.7	ug/L	+/- 10.00%
	Lead	1000	1023	102	ug/L	+/- 10.00%
	Magnesium	50000	49400	98.8	ug/L	+/- 10.00%
	Potassium	10000	9787	97.9	ug/L	+/- 10.00%
	Sodium	50000	52220	104	ug/L	+/- 10.00%
2B05201-CCV7	Iron (dissolved)	10000	9878	98.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1043	104	ug/L	+/- 10.00%
2B05201-CCV8	Iron (dissolved)	10000	9973	99.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1044	104	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_043
Project: Kirtland AFB 2011
Calibration: 2052001
Sequence: 2B05201

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05201-CCV9	Iron (dissolved)	10000	9914	99.1	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1015	102	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_043
Project: Kirtland AFB 2011
Calibration: 2055001
Sequence: 2B05413

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05413-ICV1	Iron (dissolved)	10000	10270	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	985.7	98.6	ug/L	+/- 10.00%
2B05413-CCV1	Iron (dissolved)	10000	10300	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	997.1	99.7	ug/L	+/- 10.00%
2B05413-CCV4	Iron (dissolved)	10000	10480	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	990.2	99.0	ug/L	+/- 10.00%
2B05413-CCV5	Iron (dissolved)	10000	9786	97.9	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	970.6	97.1	ug/L	+/- 10.00%
2B05413-CCV6	Iron (dissolved)	10000	9855	98.6	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	982.6	98.3	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_043
Project: Kirtland AFB 2011
Calibration: 2060002
Sequence: 2B06033

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B06033-ICV1	Calcium	50000	52180	104	ug/L	+/- 10.00%
	Lead	1000	943.1	94.3	ug/L	+/- 10.00%
	Magnesium	50000	50040	100	ug/L	+/- 10.00%
	Potassium	10000	9371	93.7	ug/L	+/- 10.00%
	Sodium	50000	50040	100	ug/L	+/- 10.00%
2B06033-CCV1	Calcium	50000	52540	105	ug/L	+/- 10.00%
	Lead	1000	945.2	94.5	ug/L	+/- 10.00%
	Magnesium	50000	50690	101	ug/L	+/- 10.00%
	Potassium	10000	10160	102	ug/L	+/- 10.00%
	Sodium	50000	51160	102	ug/L	+/- 10.00%
2B06033-CCV2	Calcium	50000	50530	101	ug/L	+/- 10.00%
	Lead	1000	953.9	95.4	ug/L	+/- 10.00%
	Magnesium	50000	49680	99.4	ug/L	+/- 10.00%
	Potassium	10000	10130	101	ug/L	+/- 10.00%
	Sodium	50000	50940	102	ug/L	+/- 10.00%
2B06033-CCV3	Calcium	50000	52060	104	ug/L	+/- 10.00%
	Lead	1000	937.3	93.7	ug/L	+/- 10.00%
	Magnesium	50000	50200	100	ug/L	+/- 10.00%
	Potassium	10000	10340	103	ug/L	+/- 10.00%
	Sodium	50000	50320	101	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2052001

Sequence: 2B05201

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B05201-CRL1	Calcium	2000	2075	104	ug/L	80 - 120
	Iron (dissolved)	60.00	69.36	116	ug/L	80 - 120
	Lead	3.000	2.557	85.2	ug/L	80 - 120
	Magnesium	3000	3059	102	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.189	103	ug/L	80 - 120
	Potassium	3000	2900	96.7	ug/L	80 - 120
	Sodium	3000	2952	98.4	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2055001

Sequence: 2B05413

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B05413-CRL1	Iron (dissolved)	60.00	64.51	108	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.328	105	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2060002

Sequence: 2B06033

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B06033-CRL1	Calcium	2000	2125	106	ug/L	80 - 120
	Lead	3.000	2.992	99.7	ug/L	80 - 120
	Magnesium	3000	3138	105	ug/L	80 - 120
	Potassium	3000	3017	101	ug/L	80 - 120
	Sodium	3000	3058	102	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B05201
Calibration: 2052001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05201-ICB1	Calcium	-0.7600	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	5.078	30.0	100	ug/L	U	SW6010B
	Lead	0.7646	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.080	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.01363	3.00	15.0	ug/L	U	SW6010B
	Potassium	17.98	1000	5000	ug/L	U	SW6010B
	Sodium	36.93	1000	5000	ug/L	U	SW6010B
2B05201-CCB1	Calcium	5.91	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	3.06	30.0	100	ug/L	U	SW6010B
	Lead	0.0566	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-2.79	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.143	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.82	1000	5000	ug/L	U	SW6010B
	Sodium	23.4	1000	5000	ug/L	U	SW6010B
2B05201-CCB3	Calcium	7.17	1000	5000	ug/L	U	SW6010B
	Lead	0.961	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.62	1000	5000	ug/L	U	SW6010B
	Potassium	-1.11	1000	5000	ug/L	U	SW6010B
	Sodium	19.2	1000	5000	ug/L	U	SW6010B
2B17004-BLK1	Calcium	11.3	1000	5000	ug/L	U	SW6010B
	Lead	0.663	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.04	1000	5000	ug/L	U	SW6010B
	Potassium	19.8	1000	5000	ug/L	U	SW6010B
	Sodium	30.5	1000	5000	ug/L	U	SW6010B
2B05201-CCB4	Calcium	7.19	1000	5000	ug/L	U	SW6010B
	Lead	-0.130	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.66	1000	5000	ug/L	U	SW6010B
	Potassium	-3.25	1000	5000	ug/L	U	SW6010B
	Sodium	9.56	1000	5000	ug/L	U	SW6010B
2B05201-CCB5	Calcium	9.29	1000	5000	ug/L	U	SW6010B
	Lead	0.599	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.27	1000	5000	ug/L	U	SW6010B
	Potassium	1.80	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B05201
Calibration: 2052001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05201-CCB5	Sodium	47.2	1000	5000	ug/L	U	SW6010B
2B17006-BLK1	Calcium	17.8	1000	5000	ug/L	U	SW6010B
	Lead	0.162	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.94	1000	5000	ug/L	U	SW6010B
	Potassium	24.6	1000	5000	ug/L	U	SW6010B
	Sodium	14.8	1000	5000	ug/L	U	SW6010B
2B05201-CCB6	Calcium	7.49	1000	5000	ug/L	U	SW6010B
	Lead	0.505	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.07	1000	5000	ug/L	U	SW6010B
	Potassium	44.0	1000	5000	ug/L	U	SW6010B
	Sodium	8.17	1000	5000	ug/L	U	SW6010B
2B05201-CCB7	Iron (dissolved)	-0.860	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.265	3.00	15.0	ug/L	U	SW6010B
2B17014-BLK1	Iron (dissolved)	-1.25	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0938	3.00	15.0	ug/L	U	SW6010B
2B05201-CCB8	Iron (dissolved)	2.23	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0918	3.00	15.0	ug/L	U	SW6010B
2B05201-CCB9	Iron (dissolved)	-0.00754	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0749	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B05413
Calibration: 2055001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05413-ICB1	Iron (dissolved)	-0.1222	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.001430	3.00	15.0	ug/L	U	SW6010B
2B05413-CCB1	Iron (dissolved)	-1.40	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0775	3.00	15.0	ug/L	U	SW6010B
2B05413-CCB4	Iron (dissolved)	0.894	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.155	3.00	15.0	ug/L	U	SW6010B
2B21027-BLK1	Iron (dissolved)	-1.66	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0192	3.00	15.0	ug/L	U	SW6010B
2B05413-CCB5	Iron (dissolved)	-1.49	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.132	3.00	15.0	ug/L	U	SW6010B
2B05413-CCB6	Iron (dissolved)	-1.55	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.108	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B06033
Calibration: 2060002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B06033-ICB1	Calcium	1.710	1000	5000	ug/L	U	SW6010B
	Lead	-0.01737	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.84	1000	5000	ug/L	U	SW6010B
	Potassium	3.190	1000	5000	ug/L	U	SW6010B
	Sodium	16.86	1000	5000	ug/L	U	SW6010B
2B06033-CCB1	Calcium	7.64	1000	5000	ug/L	U	SW6010B
	Lead	-0.286	1.50	3.00	ug/L	U	SW6010B
	Magnesium	17.8	1000	5000	ug/L	U	SW6010B
	Potassium	14.0	1000	5000	ug/L	U	SW6010B
	Sodium	13.9	1000	5000	ug/L	U	SW6010B
2B23006-BLK1	Calcium	5.91	1000	5000	ug/L	U	SW6010B
	Lead	-0.200	1.50	3.00	ug/L	U	SW6010B
	Magnesium	12.5	1000	5000	ug/L	U	SW6010B
	Potassium	-1.83	1000	5000	ug/L	U	SW6010B
	Sodium	24.8	1000	5000	ug/L	U	SW6010B
2B06033-CCB2	Calcium	0.910	1000	5000	ug/L	U	SW6010B
	Lead	-0.208	1.50	3.00	ug/L	U	SW6010B
	Magnesium	17.1	1000	5000	ug/L	U	SW6010B
	Potassium	37.6	1000	5000	ug/L	U	SW6010B
	Sodium	18.5	1000	5000	ug/L	U	SW6010B
2B06033-CCB3	Calcium	5.78	1000	5000	ug/L	U	SW6010B
	Lead	-0.278	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.99	1000	5000	ug/L	U	SW6010B
	Potassium	45.6	1000	5000	ug/L	U	SW6010B
	Sodium	14.0	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2052001
Sequence: 2B05201

Lab Sample ID	Analyte	True	Found	%R	Units
2B05201-IFA1	Calcium	500000	508,190.00	102	ug/L
	Iron (dissolved)	200000	218,990.00	109	ug/L
	Lead		1.96		ug/L
	Magnesium	500000	499,150.00	99.8	ug/L
	Manganese (dissolved)		-4.43		ug/L
	Potassium		-4.89		ug/L
	Sodium		47.17		ug/L
2B05201-IFB1	Calcium	500000	501,160.00	100	ug/L
	Iron (dissolved)	200000	218,390.00	109	ug/L
	Lead	50.00	47.64	95.3	ug/L
	Magnesium	500000	496,900.00	99.4	ug/L
	Manganese (dissolved)	500.0	491.29	98.3	ug/L
	Potassium		4.33		ug/L
	Sodium		48.01		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2055001

Sequence: 2B05413

Lab Sample ID	Analyte	True	Found	%R	Units
2B05413-IFA1	Iron (dissolved)	200000	199,470.00	99.7	ug/L
	Manganese (dissolved)		-3.58		ug/L
2B05413-IFB1	Iron (dissolved)	200000	200,170.00	100	ug/L
	Manganese (dissolved)	500.0	477.25	95.4	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2060002
Sequence: 2B06033

Lab Sample ID	Analyte	True	Found	%R	Units
2B06033-IFA1	Calcium	500000	504,290.00	101	ug/L
	Lead		5.72		ug/L
	Magnesium	500000	492,660.00	98.5	ug/L
	Potassium		-24.85		ug/L
	Sodium		57.73		ug/L
2B06033-IFB1	Calcium	500000	493,190.00	98.6	ug/L
	Lead	50.00	47.10	94.2	ug/L
	Magnesium	500000	485,530.00	97.1	ug/L
	Potassium		-7.60		ug/L
	Sodium		66.57		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B17004

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	59920	66130	124	4x	80 - 120
Lead	250.0	ND	250.8	100		80 - 120
Magnesium	5000	8050	13260	104		80 - 120
Potassium	5000	2886	7863	99.5		80 - 120
Sodium	5000	27470	33430	119		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	64820	98.1	2.00		20	80 - 120
Lead	250.0	246.4	98.5	1.79		20	80 - 120
Magnesium	5000	13040	99.7	1.68		20	80 - 120
Potassium	5000	7752	97.3	1.42		20	80 - 120
Sodium	5000	32480	100	2.88		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B17014

% Solids:

Source Sample Name: **1202043-02**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1048	105		80 - 120
Manganese (dissolved)	500.0	51.07	563.8	103		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1046	105	0.220		20	80 - 120
Manganese (dissolved)	500.0	562.8	102	0.167		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21027

% Solids:

Source Sample Name: **1202069-10**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	999.0	99.9		80 - 120
Manganese (dissolved)	500.0	ND	472.1	94.4		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1013	101	1.39		20	80 - 120
Manganese (dissolved)	500.0	488.2	97.6	3.34		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B23006

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	100300	109100	175	4x	80 - 120
Lead	250.0	ND	228.8	91.5		80 - 120
Magnesium	5000	14470	19700	105		80 - 120
Potassium	5000	3848	9007	103		80 - 120
Sodium	5000	43050	47410	87.1		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	106800	130	2.08	4x	20	80 - 120
Lead	250.0	223.7	89.5	2.28		20	80 - 120
Magnesium	5000	19400	98.8	1.50		20	80 - 120
Potassium	5000	8824	99.5	2.06		20	80 - 120
Sodium	5000	47450	87.9	0.0801		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0452

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2B17004-PS2
Batch: 2B17004
Lab Source ID: 1202043-01
Preparation: MET_3005A
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	65040	59920	5000	102	80 - 120
Lead	242.1	ND	250.0	97.1	80 - 120
Magnesium	13310	8050	5000	105	80 - 120
Potassium	8024	2886	5000	103	80 - 120
Sodium	32510	27470	5000	101	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0490

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B23006
Preparation: MET_3005A

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 2B23006-PS1
Lab Source ID: 1202069-09
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	**108200**	**100300**	**5000**	**157**	**80 - 120**
Lead	228.4	ND	250.0	91.5	80 - 120
Magnesium	19590	14470	5000	102	80 - 120
Potassium	9066	3848	5000	104	80 - 120
Sodium	**46820**	**43050**	**5000**	**75.3**	**80 - 120**

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17004	Laboratory ID:	2B17004-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	4997	99.9	80 - 120
Lead	250.0	279.9	112	80 - 120
Magnesium	5000	5128	103	80 - 120
Potassium	5000	4876	97.5	80 - 120
Sodium	5000	5462	109	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17006	Laboratory ID:	2B17006-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	5496	110	80 - 120
Lead	250.0	263.2	105	80 - 120
Magnesium	5000	5321	106	80 - 120
Potassium	5000	5109	102	80 - 120
Sodium	5000	5274	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17014	Laboratory ID:	2B17014-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	1066	107	80 - 120
Manganese (dissolved)	500.0	523.5	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21027	Laboratory ID:	2B21027-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	1100	110	80 - 120
Manganese (dissolved)	500.0	508.2	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23006	Laboratory ID:	2B23006-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	5302	106	80 - 120
Lead	250.0	237.8	95.1	80 - 120
Magnesium	5000	5092	102	80 - 120
Potassium	5000	4935	98.7	80 - 120
Sodium	5000	4949	99.0	80 - 120

SERIAL DILUTION

SW6010B

GW0452

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2B05201
Preparation: MET_3005A

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 2B17004-DUP2
Lab Source ID: 1202043-01
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	59917	60600	1.14		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	8050.5	8292	3		SW6010B	10.00
Potassium	2886.5	ND			SW6010B	10.00
Sodium	27471	27615	0.524		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0452

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2B05201
Preparation: MET_3005A

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 2B17014-DUP1
Lab Source ID: 1202043-02
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	51.067	56.61	10.9		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0490

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2B05413
Preparation: MET_3005A

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 2B21027-DUP1
Lab Source ID: 1202069-10
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0490

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2B06033
Preparation: MET_3005A

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 2B23006-DUP1
Lab Source ID: 1202069-09
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	100340	106700	6.33		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	14466	15363	6.2		SW6010B	10.00
Potassium	3847.8	ND			SW6010B	10.00
Sodium	43054	42879	-0.408		SW6010B	10.00

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_043

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_043

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_043

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_043

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_043

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_043

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_043

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B17004 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/17/12 08:07	50.00	50.00
GW0386	1202035-03	02/17/12 08:07	50.00	50.00
GW0402	1202035-05	02/17/12 08:07	50.00	50.00
GW0419	1202035-07	02/17/12 08:07	50.00	50.00
GW0498	1202035-09	02/17/12 08:07	50.00	50.00
GW0452	1202043-01	02/17/12 08:07	50.00	50.00
GW0489	1202043-03	02/17/12 08:07	50.00	50.00
Blank	2B17004-BLK1	02/17/12 08:07	50.00	50.00
LCS	2B17004-BS1	02/17/12 08:07	50.00	50.00
GW0452	2B17004-DUP2	02/17/12 08:07	50.00	50.00
GW0452	2B17004-MS2	02/17/12 08:07	50.00	50.00
GW0452	2B17004-MSD2	02/17/12 08:07	50.00	50.00
GW0452	2B17004-PS2	02/17/12 08:07	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B17006 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0491	1202043-05	02/17/12 08:40	50.00	50.00
GW0492	1202043-07	02/17/12 08:40	50.00	50.00
GW0453	1202054-01	02/17/12 08:40	50.00	50.00
GW0454	1202054-03	02/17/12 08:40	50.00	50.00
GW0483	1202054-05	02/17/12 08:40	50.00	50.00
GW0484	1202054-07	02/17/12 08:40	50.00	50.00
GW0485	1202054-09	02/17/12 08:40	50.00	50.00
Blank	2B17006-BLK1	02/17/12 08:40	50.00	50.00
LCS	2B17006-BS1	02/17/12 08:40	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B17014 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-02	02/17/12 10:49	50.00	50.00
GW0386	1202035-04	02/17/12 10:49	50.00	50.00
GW0402	1202035-06	02/17/12 10:49	50.00	50.00
GW0419	1202035-08	02/17/12 10:49	50.00	50.00
GW0498	1202035-10	02/17/12 10:49	50.00	50.00
GW0452	1202043-02	02/17/12 10:49	50.00	50.00
GW0489	1202043-04	02/17/12 10:49	50.00	50.00
GW0491	1202043-06	02/17/12 10:49	50.00	50.00
GW0492	1202043-08	02/17/12 10:49	50.00	50.00
GW0453	1202054-02	02/17/12 10:49	50.00	50.00
GW0454	1202054-04	02/17/12 10:49	50.00	50.00
GW0483	1202054-06	02/17/12 10:49	50.00	50.00
GW0484	1202054-08	02/17/12 10:49	50.00	50.00
GW0485	1202054-10	02/17/12 10:49	50.00	50.00
Blank	2B17014-BLK1	02/17/12 10:49	50.00	50.00
LCS	2B17014-BS1	02/17/12 10:49	50.00	50.00
GW0452	2B17014-DUP1	02/17/12 10:49	50.00	50.00
GW0452	2B17014-MS1	02/17/12 10:49	50.00	50.00
GW0452	2B17014-MSD1	02/17/12 10:49	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B21027 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-02	02/21/12 15:09	50.00	50.00
GW0426	1202069-04	02/21/12 15:09	50.00	50.00
GW0427	1202069-06	02/21/12 15:09	50.00	50.00
GW0479	1202069-08	02/21/12 15:09	50.00	50.00
GW0490	1202069-10	02/21/12 15:09	50.00	50.00
GW8041-RB	1202069-12	02/21/12 15:09	50.00	50.00
GW0406	1202080-02	02/21/12 15:09	50.00	50.00
GW0416	1202080-04	02/21/12 15:09	50.00	50.00
GW0417	1202080-06	02/21/12 15:09	50.00	50.00
GW0425	1202080-08	02/21/12 15:09	50.00	50.00
GW0448	1202080-10	02/21/12 15:09	50.00	50.00
Blank	2B21027-BLK1	02/21/12 15:09	50.00	50.00
LCS	2B21027-BS1	02/21/12 15:09	50.00	50.00
GW0490	2B21027-DUP1	02/21/12 15:09	50.00	50.00
GW0490	2B21027-MS1	02/21/12 15:09	50.00	50.00
GW0490	2B21027-MSD1	02/21/12 15:09	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B23006 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/23/12 07:55	50.00	50.00
GW0426	1202069-03	02/23/12 07:55	50.00	50.00
GW0427	1202069-05	02/23/12 07:55	50.00	50.00
GW0479	1202069-07	02/23/12 07:55	50.00	50.00
GW0490	1202069-09	02/23/12 07:55	50.00	50.00
GW8041-RB	1202069-11	02/23/12 07:55	50.00	50.00
GW0406	1202080-01	02/23/12 07:55	50.00	50.00
GW0416	1202080-03	02/23/12 07:55	50.00	50.00
GW0417	1202080-05	02/23/12 07:55	50.00	50.00
GW0425	1202080-07	02/23/12 07:55	50.00	50.00
GW0448	1202080-09	02/23/12 07:55	50.00	50.00
Blank	2B23006-BLK1	02/23/12 07:55	50.00	50.00
LCS	2B23006-BS1	02/23/12 07:55	50.00	50.00
GW0490	2B23006-DUP1	02/23/12 07:55	50.00	50.00
GW0490	2B23006-MS1	02/23/12 07:55	50.00	50.00
GW0490	2B23006-MSD1	02/23/12 07:55	50.00	50.00
GW0490	2B23006-PS1	02/23/12 07:55	20.00	20.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05201	Instrument:	ME-ICP
Calibration:	2052001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05201-CAL1	022012A-001	02/20/12 09:29
Cal Standard	2B05201-CAL1	022012A-001	02/20/12 09:29
Cal Standard	2B05201-CAL2	022012A-002	02/20/12 09:34
Cal Standard	2B05201-CAL2	022012A-002	02/20/12 09:34
Cal Standard	2B05201-CAL3	022012A-003	02/20/12 09:38
Cal Standard	2B05201-CAL3	022012A-003	02/20/12 09:38
Cal Standard	2B05201-CAL4	022012A-004	02/20/12 09:43
Cal Standard	2B05201-CAL5	022012A-005	02/20/12 09:48
Cal Standard	2B05201-CAL5	022012A-005	02/20/12 09:48
Cal Standard	2B05201-CAL6	022012A-006	02/20/12 09:53
Cal Standard	2B05201-CAL6	022012A-006	02/20/12 09:53
Cal Standard	2B05201-CAL7	022012A-007	02/20/12 09:59
Cal Standard	2B05201-CAL8	022012A-008	02/20/12 10:04
Initial Cal Check	2B05201-ICV1	022012B-001	02/20/12 10:30
Initial Cal Check	2B05201-ICV1	022012B-001	02/20/12 10:30
Initial Cal Blank	2B05201-ICB1	022012B-002	02/20/12 10:37
Initial Cal Blank	2B05201-ICB1	022012B-002	02/20/12 10:37
Instrument RL Check	2B05201-CRL1	022012B-004	02/20/12 10:48
Instrument RL Check	2B05201-CRL1	022012B-004	02/20/12 10:48
Interference Check A	2B05201-IFA1	022012C-001	02/20/12 11:13
Interference Check A	2B05201-IFA1	022012C-001	02/20/12 11:13
Interference Check B	2B05201-IFB1	022012C-002	02/20/12 11:18
Interference Check B	2B05201-IFB1	022012C-002	02/20/12 11:18
Calibration Check	2B05201-CCV1	022012C-004	02/20/12 11:31
Calibration Check	2B05201-CCV1	022012C-004	02/20/12 11:31
Calibration Blank	2B05201-CCB1	022012C-005	02/20/12 11:38
Calibration Blank	2B05201-CCB1	022012C-005	02/20/12 11:38
Calibration Check	2B05201-CCV3	022012C-025	02/20/12 13:18
Calibration Blank	2B05201-CCB3	022012C-026	02/20/12 13:26
Blank	2B17004-BLK1	022012C-027	02/20/12 13:30
LCS	2B17004-BS1	022012C-028	02/20/12 13:35
Calibration Check	2B05201-CCV4	022012C-039	02/20/12 14:27

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05201	Instrument:	ME-ICP
Calibration:	2052001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2B05201-CCB4	022012C-040	02/20/12 14:34
GW0381	1202035-01	022012C-048	02/20/12 15:10
GW0386	1202035-03	022012C-049	02/20/12 15:15
GW0402	1202035-05	022012C-050	02/20/12 15:19
GW0419	1202035-07	022012C-051	02/20/12 15:23
GW0498	1202035-09	022012C-052	02/20/12 15:28
GW0452	1202043-01	022012C-053	02/20/12 15:32
GW0452	2B17004-MS2	022012C-054	02/20/12 15:37
GW0452	2B17004-MSD2	022012C-055	02/20/12 15:41
GW0452	2B17004-PS2	022012C-056	02/20/12 15:45
GW0452	2B17004-DUP2	022012C-057	02/20/12 15:51
GW0489	1202043-03	022012C-058	02/20/12 15:55
Calibration Check	2B05201-CCV5	022012C-059	02/20/12 16:01
Calibration Blank	2B05201-CCB5	022012C-060	02/20/12 16:08
Blank	2B17006-BLK1	022012C-061	02/20/12 16:13
LCS	2B17006-BS1	022012C-062	02/20/12 16:17
GW0491	1202043-05	022012C-063	02/20/12 16:23
GW0492	1202043-07	022012C-064	02/20/12 16:28
GW0453	1202054-01	022012C-065	02/20/12 16:32
GW0454	1202054-03	022012C-066	02/20/12 16:37
GW0483	1202054-05	022012C-067	02/20/12 16:41
GW0484	1202054-07	022012C-068	02/20/12 16:46
GW0485	1202054-09	022012C-069	02/20/12 16:50
Calibration Check	2B05201-CCV6	022012C-070	02/20/12 16:56
Calibration Blank	2B05201-CCB6	022012C-071	02/20/12 17:03
Calibration Check	2B05201-CCV7	022012C-079	02/20/12 17:41
Calibration Blank	2B05201-CCB7	022012C-080	02/20/12 17:49
Blank	2B17014-BLK1	022012C-081	02/20/12 17:53
LCS	2B17014-BS1	022012C-082	02/20/12 17:58
GW0381	1202035-02	022012C-084	02/20/12 18:08
GW0386	1202035-04	022012C-085	02/20/12 18:13
GW0402	1202035-06	022012C-086	02/20/12 18:17

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05201	Instrument:	ME-ICP
Calibration:	2052001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0419	1202035-08	022012C-087	02/20/12 18:22
GW0498	1202035-10	022012C-088	02/20/12 18:26
GW0452	1202043-02	022012C-089	02/20/12 18:31
GW0452	2B17014-MS1	022012C-090	02/20/12 18:35
GW0452	2B17014-MSD1	022012C-091	02/20/12 18:40
GW0452	2B17014-DUP1	022012C-092	02/20/12 18:45
GW0489	1202043-04	022012C-093	02/20/12 18:49
GW0491	1202043-06	022012C-094	02/20/12 18:54
GW0492	1202043-08	022012C-095	02/20/12 18:58
Calibration Check	2B05201-CCV8	022012C-096	02/20/12 19:04
Calibration Blank	2B05201-CCB8	022012C-097	02/20/12 19:11
GW0453	1202054-02	022012C-098	02/20/12 19:16
GW0454	1202054-04	022012C-099	02/20/12 19:20
GW0483	1202054-06	022012C-100	02/20/12 19:25
GW0484	1202054-08	022012C-101	02/20/12 19:29
GW0485	1202054-10	022012C-102	02/20/12 19:34
Calibration Check	2B05201-CCV9	022012C-111	02/20/12 20:21
Calibration Blank	2B05201-CCB9	022012C-112	02/20/12 20:28

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05413	Instrument:	ME-ICP
Calibration:	2055001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05413-CAL1	022212A-001	02/22/12 09:51
Cal Standard	2B05413-CAL2	022212A-002	02/22/12 09:56
Cal Standard	2B05413-CAL3	022212A-003	02/22/12 10:01
Cal Standard	2B05413-CAL4	022212A-004	02/22/12 10:05
Cal Standard	2B05413-CAL5	022212A-005	02/22/12 10:10
Cal Standard	2B05413-CAL6	022212A-006	02/22/12 10:15
Initial Cal Check	2B05413-ICV1	022212B-001	02/22/12 11:20
Initial Cal Blank	2B05413-ICB1	022212B-002	02/22/12 11:27
Instrument RL Check	2B05413-CRL1	022212B-003	02/22/12 11:32
Interference Check A	2B05413-IFA1	022212B-005	02/22/12 11:42
Interference Check B	2B05413-IFB1	022212B-006	02/22/12 11:47
Calibration Check	2B05413-CCV1	022212B-008	02/22/12 11:59
Calibration Blank	2B05413-CCB1	022212B-009	02/22/12 12:07
Calibration Check	2B05413-CCV4	022212B-053	02/22/12 15:35
Calibration Blank	2B05413-CCB4	022212B-054	02/22/12 15:42
Blank	2B21027-BLK1	022212B-055	02/22/12 15:47
LCS	2B21027-BS1	022212B-056	02/22/12 15:51
GW0408	1202069-02	022212B-057	02/22/12 15:58
GW0426	1202069-04	022212B-058	02/22/12 16:02
GW0427	1202069-06	022212B-059	02/22/12 16:07
GW0479	1202069-08	022212B-060	02/22/12 16:11
GW0490	1202069-10	022212B-061	02/22/12 16:16
GW0490	2B21027-MS1	022212B-062	02/22/12 16:20
GW0490	2B21027-MSD1	022212B-063	02/22/12 16:25
GW0490	2B21027-DUP1	022212B-064	02/22/12 16:30
GW8041-RB	1202069-12	022212B-065	02/22/12 16:35
GW0406	1202080-02	022212B-066	02/22/12 16:39
GW0416	1202080-04	022212B-067	02/22/12 16:44
GW0417	1202080-06	022212B-068	02/22/12 16:48
GW0425	1202080-08	022212B-069	02/22/12 16:52
Calibration Check	2B05413-CCV5	022212B-070	02/22/12 16:58
Calibration Blank	2B05413-CCB5	022212B-071	02/22/12 17:05

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05413	Instrument:	ME-ICP
Calibration:	2055001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0448	1202080-10	022212B-072	02/22/12 17:10
Calibration Check	2B05413-CCV6	022212B-082	02/22/12 17:56
Calibration Blank	2B05413-CCB6	022212B-083	02/22/12 18:03

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06033	Instrument:	ME-ICP
Calibration:	2060002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B06033-CAL1	022412A-001	02/24/12 09:08
Cal Standard	2B06033-CAL2	022412A-002	02/24/12 09:13
Cal Standard	2B06033-CAL3	022412A-003	02/24/12 09:18
Cal Standard	2B06033-CAL5	022412A-005	02/24/12 09:28
Cal Standard	2B06033-CAL6	022412A-006	02/24/12 09:34
Cal Standard	2B06033-CAL7	022412A-007	02/24/12 09:40
Cal Standard	2B06033-CAL8	022412A-008	02/24/12 09:45
Initial Cal Check	2B06033-ICV1	022412B-001	02/24/12 10:22
Initial Cal Blank	2B06033-ICB1	022412B-002	02/24/12 10:29
Instrument RL Check	2B06033-CRL1	022412B-003	02/24/12 10:34
Interference Check A	2B06033-IFA1	022412B-006	02/24/12 10:49
Interference Check B	2B06033-IFB1	022412B-007	02/24/12 10:55
Calibration Check	2B06033-CCV1	022412B-009	02/24/12 11:07
Calibration Blank	2B06033-CCB1	022412B-010	02/24/12 11:14
Blank	2B23006-BLK1	022412B-011	02/24/12 11:18
LCS	2B23006-BS1	022412B-012	02/24/12 11:23
GW0408	1202069-01	022412B-016	02/24/12 11:42
GW0426	1202069-03	022412B-017	02/24/12 11:46
GW0427	1202069-05	022412B-018	02/24/12 11:51
GW0479	1202069-07	022412B-019	02/24/12 11:55
GW0490	1202069-09	022412B-020	02/24/12 12:00
GW0490	2B23006-MS1	022412B-021	02/24/12 12:04
GW0490	2B23006-MSD1	022412B-022	02/24/12 12:09
GW0490	2B23006-PS1	022412B-023	02/24/12 12:13
GW0490	2B23006-DUP1	022412B-024	02/24/12 12:18
GW8041-RB	1202069-11	022412B-025	02/24/12 12:23
GW0406	1202080-01	022412B-026	02/24/12 12:27
GW0416	1202080-03	022412B-027	02/24/12 12:32
GW0417	1202080-05	022412B-028	02/24/12 12:36
GW0425	1202080-07	022412B-029	02/24/12 12:40
Calibration Check	2B06033-CCV2	022412B-030	02/24/12 12:46
Calibration Blank	2B06033-CCB2	022412B-031	02/24/12 12:53

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06033	Instrument:	ME-ICP
Calibration:	2060002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0448	1202080-09	022412B-032	02/24/12 12:58
Calibration Check	2B06033-CCV3	022412B-046	02/24/12 14:01
Calibration Blank	2B06033-CCB3	022412B-047	02/24/12 14:08

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2052001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/20/12 9:29 2/20/12 10:04

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	0.0000204	10000	2.0503E-05			500000	2.0062E-05		
Antimony	0	0	100	0.000491	1000	5.0323E-04					10000	4.9554E-04
Arsenic	0	0	100	0.0003043	1000	3.2205E-04					10000	3.1939E-04
Barium	0	0	50	0.0101362	1000	9.683699E-03	5000	0.0098968				
Beryllium	0	0	100	0.0025378	1000	0.0025579					10000	0.0025178
Boron	0	0	50	0.000014	1000	1.409E-05					5000	1.4006E-05
Cadmium	0	0	100	0.015522	1000	0.015596					10000	0.015018
Calcium	0	0	1100	6.307273E-05	50000	6.0924E-05					10000	
Chromium	0	0	100	0.0000477	1000	0.0000462					10000	4.6449E-05
Cobalt	0	0	100	0.0044904	1000	0.0043917					10000	0.0044659
Copper	0	0	100	0.000061	1000	5.651E-05					10000	5.6315E-05
Iron	0	0	5100	1.889804E-05	10000	1.843E-05			500000	1.72714E-05	10000	
Lead	0	0	100	0.0012148	1000	0.0011722					10000	0.0012038
Magnesium	0	0	5100		50000	2.4954E-06			500000	2.4846E-06	10000	
Manganese	0	0	100	0.0002744	1000	2.6637E-04	10000	2.5789E-04			10000	
Molybdenum	0	0	100	0.0033723	1000	0.003442					10000	0.0034515
Nickel	0	0	100	0.0029887	1000	0.0029159					10000	0.0029673
Potassium	0	0	1000	7.89E-06	10000	1.3593E-05						
Selenium	0	0	100	0.0003548	1000	3.6183E-04					10000	3.5472E-04
Silver	0	0	20	0.0000595	500	5.582E-05	2000	5.753E-05				
Sodium	0	0	1000		50000	3.7644E-05						
Strontium	0	0	100	0.001521	1000	0.001525					10000	0.001532
Thallium	0	0	100	0.0006535	1000	6.4679E-04					10000	0.000663
Tin	0	0	50	0.001211	1000	0.0012397					5000	1.24958E-03
Titanium	0	0	100	0.000215	1000	0.0002129					10000	2.1307E-04
Vanadium	0	0	100	0.0000504	1000	0.0000496					10000	4.9938E-05
Zinc	0	0	100	0.0065543	1000	0.0065887					10000	0.0065509
Aluminum	0	0	5000	0.0000204	10000	2.0503E-05			500000	2.0062E-05		
Antimony	0	0	100	0.000491	1000	5.0323E-04					10000	4.9554E-04
Arsenic	0	0	100	0.0003043	1000	3.2205E-04					10000	3.1939E-04
Barium	0	0	50	0.0101362	1000	9.683699E-03	5000	0.0098968				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2052001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/20/12 9:29 2/20/12 10:04

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0025378	1000	0.0025579					10000	0.0025178
Boron	0	0	50	0.000014	1000	1.409E-05					5000	1.4006E-05
Cadmium	0	0	100	0.015522	1000	0.015596					10000	0.015018
Calcium	0	0	1100	6.307273E-05	50000	6.0924E-05					10000	
Chromium	0	0	100	0.0000477	1000	0.0000462					10000	4.6449E-05
Cobalt	0	0	100	0.0044904	1000	0.0043917					10000	0.0044659
Copper	0	0	100	0.000061	1000	5.651E-05					10000	5.6315E-05
Iron	0	0	5100	1.889804E-05	10000	1.843E-05			500000	1.72714E-05	10000	
Lead	0	0	100	0.0012148	1000	0.0011722					10000	0.0012038
Magnesium	0	0	5100		50000	2.4954E-06			500000	2.4846E-06	10000	
Manganese	0	0	100	0.0002744	1000	2.6637E-04	10000	2.5789E-04			10000	
Molybdenum	0	0	100	0.0033723	1000	0.003442					10000	0.0034515
Nickel	0	0	100	0.0029887	1000	0.0029159					10000	0.0029673
Potassium	0	0	1000	7.89E-06	10000	1.3593E-05						
Selenium	0	0	100	0.0003548	1000	3.6183E-04					10000	3.5472E-04
Silver	0	0	20	0.0000595	500	5.582E-05	2000	5.753E-05				
Sodium	0	0	1000		50000	3.7644E-05						
Strontium	0	0	100	0.001521	1000	0.001525					10000	0.001532
Thallium	0	0	100	0.0006535	1000	6.4679E-04					10000	0.000663
Tin	0	0	50	0.001211	1000	0.0012397					5000	1.24958E-03
Titanium	0	0	100	0.000215	1000	0.0002129					10000	2.1307E-04
Vanadium	0	0	100	0.0000504	1000	0.0000496					10000	4.9938E-05
Zinc	0	0	100	0.0065543	1000	0.0065887					10000	0.0065509

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2052001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/20/12 9:29 2/20/12 10:04

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	5.9174E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.421E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4404E-05										
Selenium												
Silver												
Sodium	100000	3.7044E-05	500000	3.698E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2052001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/20/12 9:29 2/20/12 10:04

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.9174E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.421E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4404E-05										
Selenium												
Silver												
Sodium	100000	3.7044E-05	500000	3.698E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2052001	Instrument:	ME-ICP	
Matrix:	Water	Calibration Dates:	2/20/12 9:29	2/20/12 10:04

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.524125E-05	66.67812	7.05992	190.6827	0.9999998		0.998	
Antimony	3.724425E-04	66.68044	12.22226	194.0047	0.9999974		0.998	
Arsenic	2.36435E-04	66.74859	6.977863	185.6562	0.9999987		0.998	
Barium	7.429175E-03	66.71308	0.6148925	152.1447	0.9999783		0.998	
Beryllium	1.903375E-03	66.67221	3.353263	136.5398	0.9999976		0.998	
Boron	1.0524E-05	66.66781	2.853655	165.2232	0.9999987		0.998	
Cadmium	0.011534	66.70384	5.441492	193.2238	0.9999862		0.998	
Calcium	4.579268E-05	66.75753	1.541445	143.0498	0.9999917		0.998	
Chromium	3.508725E-05	66.6929	2.26033	147.1139	0.9999995		0.998	
Cobalt	0.003337	66.67852	1.56186	163.9212	0.9999969		0.998	
Copper	4.345625E-05	66.8524	1.031062	34.07233	0.9999999		0.998	
Iron	1.364986E-05	66.85458	30.14058	196.8999	0.9999987		0.998	
Lead	0.0008977	66.697	26.84082	196.7178	0.9999926		0.998	
Magnesium	1.85025E-06	66.69027	6.499585	193.5948	0.9999674		0.998	
Manganese	1.99665E-04	66.7521	2.86154	150.8847	0.9999907		0.998	
Molybdenum	2.56645E-03	66.68086	10.07048	195.5932	0.9999999		0.998	
Nickel	2.217975E-03	66.68089	1.58173	171.3206	0.9999966		0.998	
Potassium	8.97175E-06	74.08251	2.75631	103.8556	0.999997		0.998	
Selenium	2.678375E-04	66.67828	4.433085	192.2415	0.9999963		0.998	
Silver	4.32125E-05	66.75741	4.218187	164.0921	0.9999334		0.998	
Sodium	2.7917E-05	66.67527	3.216295	161.7238	0.9999972		0.998	
Strontium	0.0011445	66.66785	2.684025	142.2796	0.9999998		0.998	
Thallium	4.908225E-04	66.68044	5.037725	192.9388	0.9999948		0.998	
Tin	9.2507E-04	66.69013	2.867795	186.5463	0.9999979		0.998	
Titanium	1.602425E-04	66.66932	5.917715	183.3102	1		0.998	
Vanadium	3.74845E-05	66.67241	10.92787	191.6275	0.9999994		0.998	
Zinc	4.923475E-03	66.66757	4.524938	193.3487	0.9999997		0.998	
Aluminum	1.524125E-05	66.67812	7.05992	190.6827	0.9999998		0.998	
Antimony	3.724425E-04	66.68044	12.22226	194.0047	0.9999974		0.998	
Arsenic	2.36435E-04	66.74859	6.977863	185.6562	0.9999987		0.998	
Barium	7.429175E-03	66.71308	0.6148925	152.1447	0.9999783		0.998	
Beryllium	1.903375E-03	66.67221	3.353263	136.5398	0.9999976		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2052001	Instrument:	ME-ICP	
Matrix:	Water	Calibration Dates:	2/20/12 9:29	2/20/12 10:04

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.0524E-05	66.66781	2.853655	165.2232	0.9999987		0.998	
Cadmium	0.011534	66.70384	5.441492	193.2238	0.9999862		0.998	
Calcium	4.579268E-05	66.75753	1.541445	143.0498	0.9999917		0.998	
Chromium	3.508725E-05	66.6929	2.26033	147.1139	0.9999995		0.998	
Cobalt	0.003337	66.67852	1.56186	163.9212	0.9999969		0.998	
Copper	4.345625E-05	66.8524	1.031062	34.07233	0.9999999		0.998	
Iron	1.364986E-05	66.85458	30.14058	196.8999	0.9999987		0.998	
Lead	0.0008977	66.697	26.84082	196.7178	0.9999926		0.998	
Magnesium	1.85025E-06	66.69027	6.499585	193.5948	0.9999674		0.998	
Manganese	1.99665E-04	66.7521	2.86154	150.8847	0.9999907		0.998	
Molybdenum	2.56645E-03	66.68086	10.07048	195.5932	0.9999999		0.998	
Nickel	2.217975E-03	66.68089	1.58173	171.3206	0.9999966		0.998	
Potassium	8.97175E-06	74.08251	2.75631	103.8556	0.999997		0.998	
Selenium	2.678375E-04	66.67828	4.433085	192.2415	0.9999963		0.998	
Silver	4.32125E-05	66.75741	4.218187	164.0921	0.9999334		0.998	
Sodium	2.7917E-05	66.67527	3.216295	161.7238	0.9999972		0.998	
Strontium	0.0011445	66.66785	2.684025	142.2796	0.9999998		0.998	
Thallium	4.908225E-04	66.68044	5.037725	192.9388	0.9999948		0.998	
Tin	9.2507E-04	66.69013	2.867795	186.5463	0.9999979		0.998	
Titanium	1.602425E-04	66.66932	5.917715	183.3102	1		0.998	
Vanadium	3.74845E-05	66.67241	10.92787	191.6275	0.9999994		0.998	
Zinc	4.923475E-03	66.66757	4.524938	193.3487	0.9999997		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2055001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/22/12 9:51 2/22/12 10:27

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	2.1042E-05	10000	2.1016E-05			500000	2.0912E-05		
Antimony	0	0	100	0.0006055	1000	6.2089E-04					10000	6.1006E-04
Arsenic	0	0	100	0.00032	1000	3.4537E-04					10000	3.4152E-04
Barium	0	0	50	0.011469	1000	0.011003	5000	0.0112178				
Beryllium	0	0	100	0.0028054	1000	0.0027878					10000	0.0027043
Boron	0	0	50	0.0000134	1000	1.347E-05					5000	1.3558E-05
Cadmium	0	0	100	0.016398	1000	0.016554					10000	0.015888
Calcium	0	0	1100	6.013636E-05	50000	5.6862E-05					10000	
Chromium	0	0	100	0.000049	1000	4.775E-05					10000	4.8542E-05
Cobalt	0	0	100	0.0053576	1000	0.0052518					10000	0.0053169
Copper	0	0	100	0.0000666	1000	0.0000627					10000	6.2308E-05
Iron	0	0	5100	1.805098E-05	10000	1.7434E-05			500000	1.67696E-05	10000	
Lead	0	0	100	0.0013815	1000	0.001333					10000	0.0013647
Magnesium	0	0	5100		50000	2.4628E-06			500000	2.491E-06	10000	
Manganese	0	0	100	0.0002691	1000	2.6199E-04	10000	2.6783E-04			10000	
Molybdenum	0	0	100	0.0037364	1000	0.0038147					10000	0.0038147
Nickel	0	0	100	0.0032455	1000	0.0031583					10000	0.0032044
Potassium	0	0	1000	8.38E-06	10000	1.344E-05						
Selenium	0	0	100	0.0004025	1000	4.0611E-04					10000	3.9747E-04
Silver	0	0	20	0.0000595	500	5.606E-05	2000	0.0000592				
Sodium	0	0	1000		50000	4.048E-05						
Strontium	0	0	100	0.001627	1000	0.001596					10000	0.001595
Thallium	0	0	100	0.0007015	1000	6.8867E-04					10000	6.8885E-04
Tin	0	0	50	0.0013312	1000	0.0013725					5000	1.37824E-03
Titanium	0	0	100	0.0002279	1000	2.2166E-04					10000	2.2225E-04
Vanadium	0	0	100	0.00005	1000	4.953E-05					10000	5.0218E-05
Zinc	0	0	100	0.0071376	1000	0.0072524					10000	0.0071483

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2055001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/22/12 9:51 2/22/12 10:27

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	5.5278E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3872E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4335E-05										
Selenium												
Silver												
Sodium	100000	3.9814E-05	500000	3.9496E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2055001	Instrument:	ME-ICP	
Matrix:	Water	Calibration Dates:	2/22/12 9:51	2/22/12 10:27

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.57425E-05	66.66762	10.16091	197.7525	1		0.998	
Antimony	4.591125E-04	66.68149	40.75281	198.2645	0.9999966		0.998	
Arsenic	2.517225E-04	66.81401	13.66228	192.369	0.9999976		0.998	
Barium	8.42245E-03	66.705	2.833775	178.2936	0.9999828		0.998	
Beryllium	2.074375E-03	66.70055	9.191985	189.8949	0.9999913		0.998	
Boron	1.0107E-05	66.66973	1.835722	87.52617	0.9999972		0.998	
Cadmium	0.01221	66.70735	5.640462	196.3639	0.9999835		0.998	
Calcium	4.306909E-05	66.83194	2.352662	149.3056	0.9999923		0.998	
Chromium	3.6323E-05	66.68182	3.038817	150.9858	0.9999971		0.998	
Cobalt	3.981575E-03	66.67565	2.469853	172.5873	0.9999983		0.998	
Copper	4.7902E-05	66.78926	0.8526175	33.45699	1		0.998	
Iron	1.306364E-05	66.7869	6.430532	187.2058	0.9999994		0.998	
Lead	0.0010198	66.69583	9.259843	192.8673	0.999994		0.998	
Magnesium	1.83525E-06	66.70942	8.551985	192.8224	0.9999273		0.998	
Manganese	1.9973E-04	66.68469	1.437648	106.6643	0.9999951		0.998	
Molybdenum	2.84145E-03	66.67932	1.664288	171.6514	0.9999999		0.998	
Nickel	2.40205E-03	66.68316	1.14538	157.6403	0.9999974		0.998	
Potassium	9.03875E-06	72.70374	1.316968	114.1837	0.9999929		0.998	
Selenium	3.0152E-04	66.67702	8.657992	192.8509	0.9999959		0.998	
Silver	4.369E-05	66.7617	10.30714	184.2702	0.9997986		0.998	
Sodium	2.99475E-05	66.68072	5.50378	189.5699	0.9999945		0.998	
Strontium	0.0012045	66.67807	0.7248	81.92275	1		0.998	
Thallium	5.19755E-04	66.67668	10.1922	190.7485	0.9999999		0.998	
Tin	1.020485E-03	66.69828	6.95014	193.4996	0.9999995		0.998	
Titanium	1.679525E-04	66.6877	6.172435	184.9001	0.9999998		0.998	
Vanadium	3.7437E-05	66.67108	6.825245	174.1536	0.999998		0.998	
Zinc	5.384575E-03	66.6736	6.623532	192.1136	0.9999979		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2060002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/24/12 9:08 2/24/12 9:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.1276E-05	10000	2.1565E-05			500000	2.1138E-05		
Antimony	0	0	100	0.0005826	1000	6.0371E-04					10000	5.7446E-04
Arsenic	0	0	100	0.0003066	1000	3.3226E-04					10000	3.2397E-04
Barium	0	0	50	0.0113786	1000	0.010964	5000	0.0110174				
Beryllium	0	0	100	0.0027824	1000	0.002809					10000	0.0027562
Boron	0	0	50	0.0000132	1000	0.0000134					5000	1.334E-05
Cadmium	0	0	100	0.016676	1000	0.01705					10000	0.016238
Calcium	0	0	1100	6.057273E-05	50000	5.9064E-05					10000	
Chromium	0	0	100	0.0000511	1000	5.044E-05					10000	5.0922E-05
Cobalt	0	0	100	0.0054161	1000	0.0053217					10000	0.0052637
Copper	0	0	100	0.0000652	1000	6.222E-05					10000	6.1323E-05
Iron	0	0	5100	1.776667E-05	10000	1.7769E-05			500000	1.69866E-05	10000	
Lead	0	0	100	0.001404	1000	0.001367					10000	0.0013678
Magnesium	0	0	5100		50000	2.6696E-06			500000	2.6514E-06	10000	
Manganese	0	0	100	0.0002769	1000	2.7443E-04	10000	2.6996E-04			10000	
Molybdenum	0	0	100	0.0035989	1000	0.0037488					10000	0.0036829
Nickel	0	0	100	0.0032118	1000	0.0031498					10000	0.0031497
Potassium	0	0	1000	7.01E-06	10000	1.3664E-05						
Selenium	0	0	100	0.0003819	1000	3.8906E-04					10000	3.7527E-04
Silver	0	0	20	0.000059	500	5.548E-05	2000	5.788E-05				
Sodium	0	0	1000		50000	4.1984E-05						
Strontium	0	0	100	0.001619	1000	0.001618					10000	0.001632
Thallium	0	0	100	0.0007092	1000	6.9776E-04					10000	0.0006807
Tin	0	0	50	0.0013372	1000	0.0013931					5000	0.0013746
Titanium	0	0	100	0.0002302	1000	2.2761E-04					10000	2.2911E-04
Vanadium	0	0	100	0.0000505	1000	5.106E-05					10000	5.1085E-05
Zinc	0	0	100	0.0074507	1000	0.0076106					10000	0.0074023

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2060002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/24/12 9:08 2/24/12 9:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	0.0000582								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5531E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4308E-05										
Selenium												
Silver												
Sodium	100000	4.0093E-05	500000	3.9646E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2060002	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	2/24/12 9:08	2/24/12 9:45	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.599475E-05	66.67595	0.59847	124.0326	0.9999998		0.998	
Antimony	4.401925E-04	66.72545	81.38503	199.5085	0.9999744		0.998	
Arsenic	2.407075E-04	66.81449	7.115367	195.1435	0.9999916		0.998	
Barium	0.00834	66.70322	1.47722	180.9357	0.9999985		0.998	
Beryllium	0.0020869	66.67467	9.642482	190.347	0.9999965		0.998	
Boron	9.985E-06	66.67195	2.554975	150.7467	0.9999989		0.998	
Cadmium	0.012491	66.71958	11.62273	197.2319	0.999976		0.998	
Calcium	4.445918E-05	66.70314	3.808173	182.2983	0.9999979		0.998	
Chromium	3.81155E-05	66.67068	12.5798	192.827	0.999999		0.998	
Cobalt	4.000375E-03	66.68515	0.670085	158.2423	0.9999992		0.998	
Copper	4.718575E-05	66.75911	1.445115	127.3599	0.999999		0.998	
Iron	1.313057E-05	66.72562	7.786802	183.1498	0.9999994		0.998	
Lead	0.0010347	66.68753	24.75039	196.55	0.9999999		0.998	
Magnesium	1.968525E-06	66.71732	117.2148	199.5341	0.9999314		0.998	
Manganese	2.053225E-04	66.68134	2.605153	155.1547	0.9999976		0.998	
Molybdenum	2.75765E-03	66.70377	18.02735	198.9081	0.9999964		0.998	
Nickel	2.377825E-03	66.67801	1.413985	179.999	1		0.998	
Potassium	8.7455E-06	76.5991	1.964475	95.11721	0.9999999		0.998	
Selenium	2.865575E-04	66.69562	8.91227	194.0759	0.9999877		0.998	
Silver	4.309E-05	66.7537	10.57819	188.6754	0.9998746		0.998	
Sodium	3.043075E-05	66.74978	3.871677	187.9114	0.99997		0.998	
Strontium	1.21725E-03	66.66872	3.462225	179.5521	0.9999994		0.998	
Thallium	5.21915E-04	66.70442	17.14021	197.3405	0.999994		0.998	
Tin	1.026225E-03	66.70516	3.020317	183.9264	0.9999909		0.998	
Titanium	1.7173E-04	66.66953	5.912747	186.0325	0.9999994		0.998	
Vanadium	3.816125E-05	66.67042	10.82369	191.3851	1		0.998	
Zinc	0.0056159	66.68551	12.24816	198.8047	0.9999922		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0381

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-01
Sampled:	02/03/12 13:19	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:34
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B09017	02/09/12 16:47
10-09-3	Alkalinity, Bicarbonate (as CACO3)	155	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 11:05
16887-00-6	Chloride	10.9	0.170	0.330	0.500	1		E300.0	2B07012	02/07/12 14:59
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 11:54
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 11:05
14808-79-8	Sulfate as SO4	28.4	0.330	1.00	2.00	1		E300.0	2B07012	02/07/12 14:59

ANALYSIS DATA SHEET

GW0386

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-03
Sampled:	02/03/12 10:40	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.115	0.110	0.150	0.300	1	J	SM4500NH3BG	2B15006	02/16/12 13:35
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B09017	02/09/12 16:48
10-09-3	Alkalinity, Bicarbonate (as CACO3)	109	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 11:29
16887-00-6	Chloride	11.3	0.170	0.330	0.500	1		E300.0	2B07012	02/07/12 15:17
NA	Nitrate/Nitrite as N	0.664	0.250	0.750	1.50	1	J	E353.2	2B13015	02/13/12 11:55
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 11:29
14808-79-8	Sulfate as SO4	33.0	0.330	1.00	2.00	1		E300.0	2B07012	02/07/12 15:17

ANALYSIS DATA SHEET

GW0402

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-05
Sampled:	02/03/12 16:22	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:36
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B09017	02/09/12 16:49
10-09-3	Alkalinity, Bicarbonate (as CACO3)	122	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 11:39
16887-00-6	Chloride	14.3	0.170	0.330	0.500	1		E300.0	2B07012	02/07/12 15:34
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 11:57
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 11:39
14808-79-8	Sulfate as SO4	39.7	0.330	1.00	2.00	1		E300.0	2B07012	02/07/12 15:34

ANALYSIS DATA SHEET

GW0419

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-07
Sampled:	02/02/12 14:44	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:37
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B09017	02/09/12 16:50
10-09-3	Alkalinity, Bicarbonate (as CACO3)	126	1.00	1.00	1.00	1		SM2320B	2B14007	02/14/12 13:52
16887-00-6	Chloride	38.5	0.170	0.330	0.500	1		E300.0	2B07012	02/07/12 15:51
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 11:58
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B14007	02/14/12 13:52
14808-79-8	Sulfate as SO4	51.5	0.330	1.00	2.00	1		E300.0	2B07012	02/07/12 15:51

ANALYSIS DATA SHEET

GW0498

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202035-09
Sampled:	02/03/12 12:32	Received:	02/04/12 08:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:38
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B09017	02/09/12 16:51
10-09-3	Alkalinity, Bicarbonate (as CACO3)	96.9	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 12:15
16887-00-6	Chloride	9.66	0.170	0.330	0.500	1		E300.0	2B07012	02/07/12 16:09
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 11:59
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 12:15
14808-79-8	Sulfate as SO4	34.2	0.330	1.00	2.00	1		E300.0	2B07012	02/07/12 16:09

ANALYSIS DATA SHEET

GW0452

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-01
Sampled:	02/06/12 11:00	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:39
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B13018	02/13/12 13:08
10-09-3	Alkalinity, Bicarbonate (as CACO3)	144	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 12:24
16887-00-6	Chloride	21.1	0.170	0.330	0.500	1		E300.0	2B14026	02/14/12 19:08
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 13:54
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 12:24
14808-79-8	Sulfate as SO4	46.5	0.330	1.00	2.00	1		E300.0	2B14026	02/14/12 19:08

ANALYSIS DATA SHEET

GW0489

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-03
Sampled:	02/06/12 13:42	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.117	0.110	0.150	0.300	1	J	SM4500NH3BG	2B15006	02/16/12 13:44
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B13018	02/13/12 13:09
10-09-3	Alkalinity, Bicarbonate (as CACO3)	80.7	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 12:35
16887-00-6	Chloride	98.0	0.170	0.330	0.500	1		E300.0	2B14026	02/15/12 00:56
NA	Nitrate/Nitrite as N	3.14	0.250	0.750	1.50	1		E353.2	2B13015	02/13/12 12:08
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 12:35
14808-79-8	Sulfate as SO4	164	0.330	1.00	2.00	1		E300.0	2B14026	02/15/12 00:56

ANALYSIS DATA SHEET

GW0491

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-05
Sampled:	02/06/12 11:13	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:45
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B13018	02/13/12 13:10
10-09-3	Alkalinity, Bicarbonate (as CACO3)	87.8	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 13:50
16887-00-6	Chloride	11.7	0.170	0.330	0.500	1		E300.0	2B14026	02/15/12 01:13
NA	Nitrate/Nitrite as N	0.414	0.250	0.750	1.50	1	J	E353.2	2B13015	02/13/12 12:10
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 13:50
14808-79-8	Sulfate as SO4	31.9	0.330	1.00	2.00	1		E300.0	2B14026	02/15/12 01:13

ANALYSIS DATA SHEET

GW0492

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202043-07
Sampled:	02/06/12 11:13	Received:	02/07/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:46
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B13018	02/13/12 13:11
10-09-3	Alkalinity, Bicarbonate (as CACO3)	92.5	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 13:57
16887-00-6	Chloride	11.6	0.170	0.330	0.500	1		E300.0	2B14026	02/15/12 01:31
NA	Nitrate/Nitrite as N	0.438	0.250	0.750	1.50	1	J	E353.2	2B13015	02/13/12 12:11
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 13:57
14808-79-8	Sulfate as SO4	31.8	0.330	1.00	2.00	1		E300.0	2B14026	02/15/12 01:31

ANALYSIS DATA SHEET

GW0453

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/06/12 15:40
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202054-01
Received: 02/08/12 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	2B15006	02/16/12 13:47
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B13018	02/13/12 13:12
10-09-3	Alkalinity, Bicarbonate (as CACO3)	92.5	1.00	1.00	1.00	1		SM2320B	2B15004	02/16/12 15:15
16887-00-6	Chloride	9.83	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 17:03
NA	Nitrate/Nitrite as N	0.262	0.250	0.750	1.50	1	J	E353.2	2B13015	02/13/12 12:13
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B15004	02/16/12 15:15
14808-79-8	Sulfate as SO4	32.0	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 17:03

ANALYSIS DATA SHEET

GW0454

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-03
Sampled:	02/07/12 11:51	Received:	02/08/12 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:47
18496-25-8	Sulfide	0.690	0.690	1.72	3.45	1	J	SM4500S2CF	2B13018	02/13/12 13:13
10-09-3	Alkalinity, Bicarbonate (as CACO3)	130	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 09:04
16887-00-6	Chloride	15.5	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 17:20
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 12:14
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 09:04
14808-79-8	Sulfate as SO4	43.7	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 17:20

ANALYSIS DATA SHEET

GW0483

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202054-05
Sampled:	02/07/12 12:57	Received:	02/08/12 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B15006	02/16/12 13:48
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B13018	02/13/12 13:14
10-09-3	Alkalinity, Bicarbonate (as CACO3)	97.7	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 09:24
16887-00-6	Chloride	11.4	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 17:38
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 12:15
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 09:24
14808-79-8	Sulfate as SO4	35.6	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 17:38

ANALYSIS DATA SHEET

GW0484

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/07/12 10:37
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202054-07
Received: 02/08/12 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	2B15006	02/16/12 13:49
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B13018	02/13/12 13:15
10-09-3	Alkalinity, Bicarbonate (as CACO3)	93.3	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 09:40
16887-00-6	Chloride	7.26	0.170	0.330	0.500	1		E300.0	2B14026	02/15/12 01:48
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 12:17
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 09:40
14808-79-8	Sulfate as SO4	27.9	0.330	1.00	2.00	1		E300.0	2B14026	02/15/12 01:48

ANALYSIS DATA SHEET

GW0485

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/07/12 10:37
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202054-09
Received: 02/08/12 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	2B15006	02/16/12 13:50
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B13018	02/13/12 13:16
10-09-3	Alkalinity, Bicarbonate (as CACO3)	92.1	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 09:55
16887-00-6	Chloride	7.22	0.170	0.330	0.500	1		E300.0	2B14026	02/15/12 02:06
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13015	02/13/12 12:18
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 09:55
14808-79-8	Sulfate as SO4	27.8	0.330	1.00	2.00	1		E300.0	2B14026	02/15/12 02:06

ANALYSIS DATA SHEET

GW0408

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-01
Sampled:	02/08/12 13:36	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B21007	02/22/12 14:44
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B13018	02/13/12 13:17
10-09-3	Alkalinity, Bicarbonate (as CACO3)	85.8	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 10:30
16887-00-6	Chloride	49.2	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 17:55
NA	Nitrate/Nitrite as N	1.52	0.250	0.750	1.50	1		E353.2	2B13019	02/13/12 13:22
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 10:30
14808-79-8	Sulfate as SO4	56.8	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 17:55

ANALYSIS DATA SHEET

GW0426

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-03
Sampled:	02/08/12 12:53	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.115	0.110	0.150	0.300	1	J	SM4500NH3BG	2B21007	02/22/12 14:45
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B13018	02/13/12 13:18
10-09-3	Alkalinity, Bicarbonate (as CACO3)	109	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 10:09
16887-00-6	Chloride	7.73	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 18:12
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:23
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 10:09
14808-79-8	Sulfate as SO4	26.9	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 18:12

ANALYSIS DATA SHEET

GW0427

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/08/12 10:37
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202069-05
Received: 02/09/12 08:40

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	0.186	0.110	0.150	0.300	1	J	SM4500NH3BG	2B21007	02/22/12 14:46
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B13018	02/13/12 13:19
10-09-3	Alkalinity, Bicarbonate (as CACO3)	99.2	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 10:25
16887-00-6	Chloride	7.29	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 18:30
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:25
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 10:25
14808-79-8	Sulfate as SO4	27.9	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 18:30

ANALYSIS DATA SHEET

GW0479

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-07
Sampled:	02/07/12 15:44	Received:	02/09/12 08:40
% 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	0.110	0.150	0.300	1	J	SM4500NH3BG	2B21007	02/22/12 14:47
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B13018	02/13/12 13:20
10-09-3	Alkalinity, Bicarbonate (as CACO3)	143	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 10:37
16887-00-6	Chloride	18.5	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 18:47
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:26
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 10:37
14808-79-8	Sulfate as SO4	39.0	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 18:47

ANALYSIS DATA SHEET

GW0490

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202069-09
Sampled:	02/07/12 16:21	Received:	02/09/12 08:40
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B23002	02/23/12 14:09
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2B13018	02/13/12 13:21
10-09-3	Alkalinity, Bicarbonate (as CACO3)	91.0	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 10:55
16887-00-6	Chloride	86.9	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 19:40
NA	Nitrate/Nitrite as N	2.83	0.250	0.750	1.50	1		E353.2	2B13019	02/13/12 13:27
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 10:55
14808-79-8	Sulfate as SO4	151	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 19:40

ANALYSIS DATA SHEET

GW0406

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/09/12 11:22
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202080-01
Received: 02/10/12 08:20

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	2B21007	02/22/12 14:50
18496-25-8	Sulfide	0.690	0.690	1.72	3.45	1	J	SM4500S2CF	2B15012	02/16/12 11:49
10-09-3	Alkalinity, Bicarbonate (as CACO3)	81.9	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 10:55
16887-00-6	Chloride	97.3	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 19:05
NA	Nitrate/Nitrite as N	2.30	0.250	0.750	1.50	1		E353.2	2B13019	02/13/12 13:32
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 10:55
14808-79-8	Sulfate as SO4	92.2	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 19:05

ANALYSIS DATA SHEET

GW0416

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-03
Sampled:	02/09/12 13:06	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B21007	02/22/12 14:51
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B15012	02/16/12 11:50
10-09-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 11:30
16887-00-6	Chloride	8.54	0.170	0.330	0.500	1		E300.0	2B14027	02/15/12 19:22
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:33
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 11:30
14808-79-8	Sulfate as SO4	28.5	0.330	1.00	2.00	1		E300.0	2B14027	02/15/12 19:22

ANALYSIS DATA SHEET

GW0417

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-05
Sampled:	02/09/12 10:47	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B21007	02/22/12 14:52
18496-25-8	Sulfide	0.690	0.690	1.72	3.45	1	J	SM4500S2CF	2B15012	02/16/12 11:51
10-09-3	Alkalinity, Bicarbonate (as CACO3)	148	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 11:45
16887-00-6	Chloride	8.46	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 15:38
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:35
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 11:45
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 15:38

ANALYSIS DATA SHEET

GW0425

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202080-07
Sampled:	02/08/12 15:13	Received:	02/10/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2B21007	02/22/12 14:53
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B13018	02/13/12 13:22
10-09-3	Alkalinity, Bicarbonate (as CACO3)	124	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 11:11
16887-00-6	Chloride	8.69	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 15:55
NA	Nitrate/Nitrite as N	0.536	0.250	0.750	1.50	1	J	E353.2	2B13019	02/13/12 13:36
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 11:11
14808-79-8	Sulfate as SO4	27.7	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 15:55

ANALYSIS DATA SHEET

GW0448

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 02/08/12 16:23
% Solids: 0.00

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 1202080-09
Received: 02/10/12 08:20

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	2B21007	02/22/12 14:54
18496-25-8	Sulfide	0.690	0.690	1.72	3.45	1	J	SM4500S2CF	2B13018	02/13/12 13:23
10-09-3	Alkalinity, Bicarbonate (as CACO3)	144	1.00	1.00	1.00	1		SM2320B	2B20001	02/20/12 11:31
16887-00-6	Chloride	11.7	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 16:13
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:38
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B20001	02/20/12 11:31
14808-79-8	Sulfate as SO4	32.2	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 16:13

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_043
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 1L33502

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1L33502-ICV1	Chloride	4.800	5.082	106	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	24.04	100	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_043
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B04004

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04004-CCV1	Chloride	25.00	25.36	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.35	101	mg/L	+/- 10.00%
2B04004-CCV2	Chloride	25.00	25.08	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.12	100	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_043
Project: Kirtland AFB 2011
Calibration: 2044001
Sequence: 2B04406

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04406-ICV1	Nitrate/Nitrite as N	1.200	1.168	97.3	mg/L	+/- 10.00%
2B04406-CCV1	Nitrate/Nitrite as N	1.200	1.125	93.8	mg/L	+/- 10.00%
2B04406-CCV2	Nitrate/Nitrite as N	1.200	1.103	91.9	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_043
Project: Kirtland AFB 2011
Calibration: 2044002
Sequence: 2B04407

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04407-ICV1	Nitrate/Nitrite as N	1.200	1.191	99.2	mg/L	+/- 10.00%
2B04407-CCV1	Nitrate/Nitrite as N	1.200	1.180	98.3	mg/L	+/- 10.00%
2B04407-CCV2	Nitrate/Nitrite as N	1.200	1.154	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_043
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B04610

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04610-CCV1	Chloride	25.00	25.79	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.95	104	mg/L	+/- 10.00%
2B04610-CCV2	Chloride	25.00	25.38	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.49	102	mg/L	+/- 10.00%
2B04610-CCV3	Chloride	25.00	25.53	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.70	103	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_043
Project: Kirtland AFB 2011
Calibration: 2047002
Sequence: 2B04707

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B04707-ICV1	Ammonia as N	2.000	2.199	110	mg/L	+/- 10.00%
2B04707-CCV1	Ammonia as N	2.000	2.157	108	mg/L	+/- 10.00%
2B04707-CCV2	Ammonia as N	2.000	2.149	107	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_043
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B05210

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05210-CCV2	Chloride	25.00	25.57	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.60	102	mg/L	+/- 10.00%
2B05210-CCV3	Chloride	25.00	25.34	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.38	102	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_043
Project: Kirtland AFB 2011
Calibration: 2054001
Sequence: 2B05401

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05401-ICV1	Ammonia as N	2.000	2.171	109	mg/L	+/- 10.00%
2B05401-CCV1	Ammonia as N	2.000	2.208	110	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_043
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B05407

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05407-CCV1	Chloride	25.00	25.63	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.76	103	mg/L	+/- 10.00%
2B05407-CCV2	Chloride	25.00	25.50	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.61	102	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_043
Project: Kirtland AFB 2011
Calibration: 2054004
Sequence: 2B05410

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05410-ICV1	Ammonia as N	2.000	2.142	107	mg/L	+/- 10.00%
2B05410-CCV1	Ammonia as N	2.000	2.151	108	mg/L	+/- 10.00%
2B05410-CCV2	Ammonia as N	2.000	2.181	109	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B04004

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B04004-CRL1	Chloride	0.5000	0.5000	100	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5290	106	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B04610

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B04610-CRL1	Chloride	0.5000	0.5320	106	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5540	111	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B05210

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B05210-CRL1	Chloride	0.5000	0.5110	102	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5430	109	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B05407

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B05407-CRL1	Chloride	0.5000	0.5270	105	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5650	113	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B07012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B07012-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B09017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B09017-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B13015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B13015-BLK1	Nitrate/Nitrite as N	-0.0335	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B13018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B13018-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B13019

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B13019-BLK1	Nitrate/Nitrite as N	-0.0384	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B14007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B14007-BLK1	Alkalinity, Total (as CACO3)	0.394	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B14026

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B14026-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B14027

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B14027-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B15004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B15004-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B15006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B15006-BLK1	Ammonia as N	0.0752	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B15012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B15012-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B17016

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B17016-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B20001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B20001-BLK1	Alkalinity, Total (as CACO3)	-0.394	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B21002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B21002-BLK1	Alkalinity, Total (as CACO3)	0.394	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B21007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B21007-BLK1	Ammonia as N	0.0536	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B23002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B23002-BLK1	Ammonia as N	0.0750	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1L33502
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1L33502-ICB1	Chloride	0.000	0.170	0.500	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_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04004
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04004-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B04004-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04406
Calibration: 2044001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04406-ICB1	Nitrate/Nitrite as N	-0.01601	0.0500	0.300	mg/L	U	E353.2
2B04406-CCB1	Nitrate/Nitrite as N	-0.0218	0.0500	0.300	mg/L	U	E353.2
2B04406-CCB2	Nitrate/Nitrite as N	-0.0216	0.0500	0.300	mg/L	U	E353.2

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04407
Calibration: 2044002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04407-ICB1	Nitrate/Nitrite as N	-0.03274	0.0500	0.300	mg/L	U	E353.2
2B04407-CCB1	Nitrate/Nitrite as N	-0.0404	0.0500	0.300	mg/L	U	E353.2
2B04407-CCB2	Nitrate/Nitrite as N	-0.0330	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04610
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04610-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B04610-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B04610-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B04707
Calibration: 2047002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B04707-ICB1	Ammonia as N	-0.01262	0.110	0.300	mg/L	U	SM4500NH3BG
2B04707-CCB1	Ammonia as N	-0.0106	0.110	0.300	mg/L	U	SM4500NH3BG
2B04707-CCB2	Ammonia as N	-0.00452	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05210
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05210-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B05210-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05401
Calibration: 2054001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05401-ICB1	Ammonia as N	-0.02758	0.110	0.300	mg/L	U	SM4500NH3BG
2B05401-CCB1	Ammonia as N	-0.0273	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05407
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05407-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B05407-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_043
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05410
Calibration: 2054004
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05410-ICB1	Ammonia as N	-0.0004761	0.110	0.300	mg/L	U	SM4500NH3BG
2B05410-CCB1	Ammonia as N	-0.0503	0.110	0.300	mg/L	U	SM4500NH3BG
2B05410-CCB2	Ammonia as N	0.00107	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13015

% Solids:

Source Sample Name: **1202043-01RE1**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.479	99.2		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.474	99.0	0.182		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13018

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1150	0.7407	1134	98.5		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1150	1080	93.8	4.88		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13018

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1150	ND	1206	105		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1150	1170	102	3.03		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13019

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.832	5.275	97.7		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	5.230	95.9	0.857		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B14026

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	21.08	46.95	93.1		80 - 120
Sulfate as SO4	27.78	46.47	71.94	91.7		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	49.55	102	5.39		20	80 - 120
Sulfate as SO4	27.78	74.22	99.9	3.11		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B14027

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	86.91	113.1	94.2		80 - 120
Sulfate as SO4	27.78	151.3	176.9	92.1		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	114.8	101	1.55		20	80 - 120
Sulfate as SO4	27.78	177.8	95.3	0.504		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B15004

% Solids:

Source Sample Name: **1202043-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	143.7	260.8	105		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
Alkalinity, Total (as CACO3)	111.1	253.3	98.6	2.89		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0452

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B15006

% Solids:

Source Sample Name: **1202043-01**

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	5.064	101		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	5.334	107	5.19		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B20001

% Solids:

Source Sample Name: **1202069-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	90.97	200.0	98.1		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	195.6	94.2	2.21		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0408

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21002

% Solids:

Source Sample Name: **1202069-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	85.85	193.8	97.2		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	196.5	99.6	1.35		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0490

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B23002

% Solids:

Source Sample Name: **1202069-09RE1**

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	4.481	89.6		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	4.642	92.8	3.53		20	75 - 125

GW0452

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B14026
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0452

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 2B14026-DUP2
Lab Source ID: 1202043-01
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	21.1	21.22	0.629		E300.0
Sulfate as SO4	20	46.5	46.45	0.0452		E300.0

GW0490

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B14027
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0490

SDG: Kirtland_043
Project: Kirtland AFB 2011
Laboratory ID: 2B14027-DUP1
Lab Source ID: 1202069-09
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	86.9	86.66	0.289		E300.0
Sulfate as SO4	20	151	151.2	0.0621		E300.0

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B07012	Laboratory ID:	2B07012-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	4.849	101	90 - 110
Sulfate as SO4	24.00	23.92	99.7	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B09017	Laboratory ID:	2B09017-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1083	933.7	86.2	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1083	917.1	84.7	1.79	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13015	Laboratory ID:	2B13015-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.576	93.3	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13018	Laboratory ID:	2B13018-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1150	1067	92.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B13019	Laboratory ID:	2B13019-BS1
Preparation:	pNone	Initial/Final:	20 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	1.690	1.620	95.9	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14007	Laboratory ID:	2B14007-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1046	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14026	Laboratory ID:	2B14026-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	4.908	102	90 - 110
Sulfate as SO4	24.00	24.52	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B14027	Laboratory ID:	2B14027-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	4.978	104	90 - 110
Sulfate as SO4	24.00	24.35	101	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15004	Laboratory ID:	2B15004-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1051	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15006	Laboratory ID:	2B15006-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	5.223	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15012	Laboratory ID:	2B15012-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1150	1033	89.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17016	Laboratory ID:	2B17016-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	4.870	101	90 - 110
Sulfate as SO4	24.00	24.10	100	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20001	Laboratory ID:	2B20001-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1105	110	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21002	Laboratory ID:	2B21002-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1024	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21007	Laboratory ID:	2B21007-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	4.937	98.7	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23002	Laboratory ID:	2B23002-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	5.040	101	80 - 120

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B07012 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/07/12 10:49	5.00	5.00
GW0386	1202035-03	02/07/12 10:49	5.00	5.00
GW0402	1202035-05	02/07/12 10:49	5.00	5.00
GW0419	1202035-07	02/07/12 10:49	5.00	5.00
GW0498	1202035-09	02/07/12 10:49	5.00	5.00
Blank	2B07012-BLK1	02/07/12 10:49	5.00	5.00
LCS	2B07012-BS1	02/07/12 10:49	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B09017 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/09/12 12:47	270.00	200.00
GW0386	1202035-03	02/09/12 12:47	270.00	200.00
GW0402	1202035-05	02/09/12 12:47	295.00	200.00
GW0419	1202035-07	02/09/12 12:47	270.00	200.00
GW0498	1202035-09	02/09/12 12:47	295.00	200.00
Blank	2B09017-BLK1	02/09/12 12:47	250.00	200.00
LCS	2B09017-BS1	02/09/12 12:47	3.00	250.00
LCS Dup	2B09017-BSD1	02/09/12 12:47	3.00	250.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B13015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/13/12 10:12	4.00	20.00
GW0386	1202035-03	02/13/12 10:12	4.00	20.00
GW0402	1202035-05	02/13/12 10:12	4.00	20.00
GW0419	1202035-07	02/13/12 10:12	4.00	20.00
GW0498	1202035-09	02/13/12 10:12	4.00	20.00
GW0452	1202043-01RE1	02/13/12 10:12	4.00	20.00
GW0489	1202043-03	02/13/12 10:12	4.00	20.00
GW0491	1202043-05	02/13/12 10:12	4.00	20.00
GW0492	1202043-07	02/13/12 10:12	4.00	20.00
GW0453	1202054-01	02/13/12 10:12	4.00	20.00
GW0454	1202054-03	02/13/12 10:12	4.00	20.00
GW0483	1202054-05	02/13/12 10:12	4.00	20.00
GW0484	1202054-07	02/13/12 10:12	4.00	20.00
GW0485	1202054-09	02/13/12 10:12	4.00	20.00
Blank	2B13015-BLK1	02/13/12 10:12	20.00	20.00
LCS	2B13015-BS1	02/13/12 10:12	20.00	20.00
GW0452	2B13015-MS2	02/13/12 10:12	4.00	20.00
GW0452	2B13015-MSD2	02/13/12 10:12	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B13018 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0452	1202043-01	02/13/12 11:04	295.00	200.00
GW0489	1202043-03	02/13/12 11:04	290.00	200.00
GW0491	1202043-05	02/13/12 11:04	270.00	200.00
GW0492	1202043-07	02/13/12 11:04	270.00	200.00
GW0453	1202054-01	02/13/12 11:04	290.00	200.00
GW0454	1202054-03	02/13/12 11:04	290.00	200.00
GW0483	1202054-05	02/13/12 11:04	290.00	200.00
GW0484	1202054-07	02/13/12 11:04	290.00	200.00
GW0485	1202054-09	02/13/12 11:04	290.00	200.00
GW0408	1202069-01	02/13/12 11:04	295.00	200.00
GW0426	1202069-03	02/13/12 11:04	295.00	200.00
GW0427	1202069-05	02/13/12 11:04	290.00	200.00
GW0479	1202069-07	02/13/12 11:04	290.00	200.00
GW0490	1202069-09	02/13/12 11:04	270.00	200.00
GW0425	1202080-07	02/13/12 11:04	295.00	200.00
GW0448	1202080-09	02/13/12 11:04	290.00	200.00
Blank	2B13018-BLK1	02/13/12 11:04	250.00	200.00
LCS	2B13018-BS1	02/13/12 11:04	3.00	250.00
GW0490	2B13018-MS1	02/13/12 11:04	3.00	270.00
GW0452	2B13018-MS2	02/13/12 11:04	3.00	270.00
GW0490	2B13018-MSD1	02/13/12 11:04	3.00	270.00
GW0452	2B13018-MSD2	02/13/12 11:04	3.00	270.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B13019 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/13/12 12:20	4.00	20.00
GW0426	1202069-03	02/13/12 12:20	4.00	20.00
GW0427	1202069-05	02/13/12 12:20	4.00	20.00
GW0479	1202069-07	02/13/12 12:20	4.00	20.00
GW0490	1202069-09	02/13/12 12:20	4.00	20.00
GW0406	1202080-01	02/13/12 12:20	4.00	20.00
GW0416	1202080-03	02/13/12 12:20	4.00	20.00
GW0417	1202080-05	02/13/12 12:20	4.00	20.00
GW0425	1202080-07	02/13/12 12:20	4.00	20.00
GW0448	1202080-09	02/13/12 12:20	4.00	20.00
Blank	2B13019-BLK1	02/13/12 12:20	20.00	20.00
LCS	2B13019-BS1	02/13/12 12:20	20.00	20.00
GW0490	2B13019-MS1	02/13/12 12:20	4.00	20.00
GW0490	2B13019-MSD1	02/13/12 12:20	4.00	20.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B14007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0419	1202035-07	02/14/12 07:39	25.00	25.00
Blank	2B14007-BLK1	02/14/12 07:39	25.00	25.00
LCS	2B14007-BS1	02/14/12 07:39	5.00	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B14026 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0452	1202043-01	02/14/12 12:10	5.00	5.00
GW0489	1202043-03	02/14/12 12:10	5.00	5.00
GW0491	1202043-05	02/14/12 12:10	5.00	5.00
GW0492	1202043-07	02/14/12 12:10	5.00	5.00
GW0484	1202054-07	02/14/12 12:10	5.00	5.00
GW0485	1202054-09	02/14/12 12:10	5.00	5.00
Blank	2B14026-BLK1	02/14/12 12:10	5.00	5.00
LCS	2B14026-BS1	02/14/12 12:10	5.00	5.00
GW0452	2B14026-DUP2	02/14/12 12:10	5.00	5.00
GW0452	2B14026-MS2	02/14/12 12:10	22.50	25.00
GW0452	2B14026-MSD2	02/14/12 12:10	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B14027 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0453	1202054-01	02/14/12 12:19	5.00	5.00
GW0454	1202054-03	02/14/12 12:19	5.00	5.00
GW0483	1202054-05	02/14/12 12:19	5.00	5.00
GW0408	1202069-01	02/14/12 12:19	5.00	5.00
GW0426	1202069-03	02/14/12 12:19	5.00	5.00
GW0427	1202069-05	02/14/12 12:19	5.00	5.00
GW0479	1202069-07	02/14/12 12:19	5.00	5.00
GW0490	1202069-09	02/14/12 12:19	5.00	5.00
GW0406	1202080-01	02/14/12 12:19	5.00	5.00
GW0416	1202080-03	02/14/12 12:19	5.00	5.00
Blank	2B14027-BLK1	02/14/12 12:19	5.00	5.00
LCS	2B14027-BS1	02/14/12 12:19	5.00	5.00
GW0490	2B14027-DUP1	02/14/12 12:19	5.00	5.00
GW0490	2B14027-MS1	02/14/12 12:19	22.50	25.00
GW0490	2B14027-MSD1	02/14/12 12:19	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B15004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/15/12 07:09	25.00	25.00
GW0386	1202035-03	02/15/12 07:09	25.00	25.00
GW0402	1202035-05	02/15/12 07:09	25.00	25.00
GW0498	1202035-09	02/15/12 07:09	25.00	25.00
GW0452	1202043-01	02/15/12 07:09	25.00	25.00
GW0489	1202043-03	02/15/12 07:09	25.00	25.00
GW0491	1202043-05	02/15/12 07:09	25.00	25.00
GW0492	1202043-07	02/15/12 07:09	25.00	25.00
GW0453	1202054-01	02/15/12 07:09	25.00	25.00
Blank	2B15004-BLK1	02/15/12 07:09	25.00	25.00
LCS	2B15004-BS1	02/15/12 07:09	5.00	25.00
GW0452	2B15004-MS1	02/15/12 07:09	22.50	25.00
GW0452	2B15004-MSD1	02/15/12 07:09	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B15006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0381	1202035-01	02/15/12 07:41	100.00	100.00
GW0386	1202035-03	02/15/12 07:41	100.00	100.00
GW0402	1202035-05	02/15/12 07:41	100.00	100.00
GW0419	1202035-07	02/15/12 07:41	100.00	100.00
GW0498	1202035-09	02/15/12 07:41	100.00	100.00
GW0452	1202043-01	02/15/12 07:41	100.00	100.00
GW0489	1202043-03	02/15/12 07:41	100.00	100.00
GW0491	1202043-05	02/15/12 07:41	100.00	100.00
GW0492	1202043-07	02/15/12 07:41	100.00	100.00
GW0453	1202054-01	02/15/12 07:41	100.00	100.00
GW0454	1202054-03	02/15/12 07:41	100.00	100.00
GW0483	1202054-05	02/15/12 07:41	100.00	100.00
GW0484	1202054-07	02/15/12 07:41	100.00	100.00
GW0485	1202054-09	02/15/12 07:41	100.00	100.00
Blank	2B15006-BLK1	02/15/12 07:41	100.00	100.00
LCS	2B15006-BS1	02/15/12 07:41	100.00	100.00
GW0452	2B15006-MS1	02/15/12 07:41	100.00	100.00
GW0452	2B15006-MSD1	02/15/12 07:41	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B15012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0406	1202080-01	02/15/12 10:24	290.00	200.00
GW0416	1202080-03	02/15/12 10:24	290.00	200.00
GW0417	1202080-05	02/15/12 10:24	290.00	200.00
Blank	2B15012-BLK1	02/15/12 10:24	250.00	200.00
LCS	2B15012-BS1	02/15/12 10:24	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B17016 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0417	1202080-05	02/17/12 11:01	5.00	5.00
GW0425	1202080-07	02/17/12 11:01	5.00	5.00
GW0448	1202080-09	02/17/12 11:01	5.00	5.00
Blank	2B17016-BLK1	02/17/12 11:01	5.00	5.00
LCS	2B17016-BS1	02/17/12 11:01	5.00	5.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B20001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0454	1202054-03	02/20/12 07:18	25.00	25.00
GW0483	1202054-05	02/20/12 07:18	25.00	25.00
GW0484	1202054-07	02/20/12 07:18	25.00	25.00
GW0485	1202054-09	02/20/12 07:18	25.00	25.00
GW0426	1202069-03	02/20/12 07:18	25.00	25.00
GW0427	1202069-05	02/20/12 07:18	25.00	25.00
GW0479	1202069-07	02/20/12 07:18	25.00	25.00
GW0490	1202069-09	02/20/12 07:18	25.00	25.00
GW0425	1202080-07	02/20/12 07:18	25.00	25.00
GW0448	1202080-09	02/20/12 07:18	25.00	25.00
Blank	2B20001-BLK1	02/20/12 07:18	25.00	25.00
LCS	2B20001-BS1	02/20/12 07:18	5.00	25.00
GW0490	2B20001-MS1	02/20/12 07:18	22.50	25.00
GW0490	2B20001-MSD1	02/20/12 07:18	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B21002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/21/12 07:24	25.00	25.00
GW0406	1202080-01	02/21/12 07:24	25.00	25.00
GW0416	1202080-03	02/21/12 07:24	25.00	25.00
GW0417	1202080-05	02/21/12 07:24	25.00	25.00
Blank	2B21002-BLK1	02/21/12 07:24	25.00	25.00
LCS	2B21002-BS1	02/21/12 07:24	5.00	25.00
GW0408	2B21002-MS1	02/21/12 07:24	22.50	25.00
GW0408	2B21002-MSD1	02/21/12 07:24	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B21007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0408	1202069-01	02/21/12 08:06	100.00	100.00
GW0426	1202069-03	02/21/12 08:06	100.00	100.00
GW0427	1202069-05	02/21/12 08:06	100.00	100.00
GW0479	1202069-07	02/21/12 08:06	100.00	100.00
GW0406	1202080-01	02/21/12 08:06	100.00	100.00
GW0416	1202080-03	02/21/12 08:06	100.00	100.00
GW0417	1202080-05	02/21/12 08:06	100.00	100.00
GW0425	1202080-07	02/21/12 08:06	100.00	100.00
GW0448	1202080-09	02/21/12 08:06	100.00	100.00
Blank	2B21007-BLK1	02/21/12 08:06	100.00	100.00
LCS	2B21007-BS1	02/21/12 08:06	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_043

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

Batch: 2B23002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0490	1202069-09RE1	02/23/12 07:25	100.00	100.00
Blank	2B23002-BLK1	02/23/12 07:25	100.00	100.00
LCS	2B23002-BS1	02/23/12 07:25	100.00	100.00
GW0490	2B23002-MS1	02/23/12 07:25	100.00	100.00
GW0490	2B23002-MSD1	02/23/12 07:25	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2B14007-BS1	021412-003	02/14/12 09:36
Blank	2B14007-BLK1	021412-004	02/14/12 09:49
LCS	2B15004-BS1	021612-003	02/16/12 09:00
Blank	2B15004-BLK1	021612-004	02/16/12 09:15
GW0452	2B15004-MS1	021612-005	02/16/12 09:43
GW0452	2B15004-MSD1	021612-006	02/16/12 10:40
LCS	2B20001-BS1	022012-003	02/20/12 08:30
Blank	2B20001-BLK1	022012-004	02/20/12 08:35
GW0490	2B20001-MS1	022012-005	02/20/12 08:47
GW0490	2B20001-MSD1	022012-006	02/20/12 08:58
LCS	2B21002-BS1	022112-003	02/21/12 09:00
Blank	2B21002-BLK1	022112-004	02/21/12 09:30
GW0408	2B21002-MS1	022112-005	02/21/12 09:40
GW0408	2B21002-MSD1	022112-006	02/21/12 09:50

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_043

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2B09017-BS1	020912-002	02/09/12 16:40
LCS Dup	2B09017-BSD1	020912-003	02/09/12 16:41
Blank	2B09017-BLK1	020912-004	02/09/12 16:42
LCS	2B13018-BS1	021312-002	02/13/12 13:03
GW0452	2B13018-MSD2	021312-007	02/13/12 13:05
GW0452	2B13018-MS2	021312-006	02/13/12 13:05
GW0490	2B13018-MSD1	021312-022	02/13/12 13:07
GW0490	2B13018-MS1	021312-021	02/13/12 13:07
Blank	2B13018-BLK1	021312-003	02/13/12 13:13
Blank	2B15012-BLK1	021612-003	02/16/12 11:45
LCS	2B15012-BS1	021612-002	02/16/12 11:46

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1L33502	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1L33502-CAL1	112911-003	11/29/11 18:23
Cal Standard	1L33502-CAL2	112911-004	11/29/11 18:40
Cal Standard	1L33502-CAL3	112911-005	11/29/11 18:57
Cal Standard	1L33502-CAL4	112911-006	11/29/11 19:15
Cal Standard	1L33502-CAL5	112911-007	11/29/11 19:32
Cal Standard	1L33502-CAL6	112911-008	11/29/11 19:50
Cal Standard	1L33502-CAL7	112911-009	11/29/11 20:07
Cal Standard	1L33502-CAL8	112911-010	11/29/11 20:24
Initial Cal Check	1L33502-ICV1	112911-011	11/29/11 20:42
Initial Cal Blank	1L33502-ICB1	112911-012	11/29/11 20:59

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04004	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04004-CCV1	020712-003	02/07/12 12:23
Calibration Blank	2B04004-CCB1	020712-004	02/07/12 12:40
Instrument RL Check	2B04004-CRL1	020712-005	02/07/12 12:57
LCS	2B07012-BS1	020712-008	02/07/12 13:50
Blank	2B07012-BLK1	020712-009	02/07/12 14:07
GW0381	1202035-01	020712-012	02/07/12 14:59
GW0386	1202035-03	020712-013	02/07/12 15:17
GW0402	1202035-05	020712-014	02/07/12 15:34
GW0419	1202035-07	020712-015	02/07/12 15:51
GW0498	1202035-09	020712-016	02/07/12 16:09
Calibration Check	2B04004-CCV2	020712-022	02/07/12 17:53
Calibration Blank	2B04004-CCB2	020712-023	02/07/12 18:11

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04406	Instrument:	WC-Lachat
Calibration:	2044001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04406-CAL1	M_2-13-2012_11-26-00AM-00	02/13/12 11:28
Cal Standard	2B04406-CAL2	M_2-13-2012_11-26-00AM-00	02/13/12 11:29
Cal Standard	2B04406-CAL3	M_2-13-2012_11-26-00AM-00	02/13/12 11:30
Cal Standard	2B04406-CAL4	M_2-13-2012_11-26-00AM-00	02/13/12 11:32
Cal Standard	2B04406-CAL5	M_2-13-2012_11-26-00AM-00	02/13/12 11:33
Cal Standard	2B04406-CAL6	M_2-13-2012_11-26-00AM-00	02/13/12 11:35
Cal Standard	2B04406-CAL7	M_2-13-2012_11-26-00AM-00	02/13/12 11:36
Cal Standard	2B04406-CAL8	M_2-13-2012_11-26-00AM-00	02/13/12 11:38
Initial Cal Check	2B04406-ICV1	M_2-13-2012_11-26-00AM-00	02/13/12 11:39
Initial Cal Blank	2B04406-ICB1	M_2-13-2012_11-26-00AM-01	02/13/12 11:41
Blank	2B13015-BLK1	M_2-13-2012_11-26-00AM-01	02/13/12 11:44
LCS	2B13015-BS1	M_2-13-2012_11-26-00AM-01	02/13/12 11:45
GW0381	1202035-01	M_2-13-2012_11-26-00AM-01	02/13/12 11:54
GW0386	1202035-03	M_2-13-2012_11-26-00AM-02	02/13/12 11:55
GW0402	1202035-05	M_2-13-2012_11-26-00AM-02	02/13/12 11:57
GW0419	1202035-07	M_2-13-2012_11-26-00AM-02	02/13/12 11:58
GW0498	1202035-09	M_2-13-2012_11-26-00AM-02	02/13/12 11:59
Calibration Check	2B04406-CCV1	M_2-13-2012_11-26-00AM-02	02/13/12 12:01
Calibration Blank	2B04406-CCB1	M_2-13-2012_11-26-00AM-02	02/13/12 12:02
GW0489	1202043-03	M_2-13-2012_11-26-00AM-02	02/13/12 12:08
GW0491	1202043-05	M_2-13-2012_11-26-00AM-03	02/13/12 12:10
GW0492	1202043-07	M_2-13-2012_11-26-00AM-03	02/13/12 12:11
GW0453	1202054-01	M_2-13-2012_11-26-00AM-03	02/13/12 12:13
GW0454	1202054-03	M_2-13-2012_11-26-00AM-03	02/13/12 12:14
GW0483	1202054-05	M_2-13-2012_11-26-00AM-03	02/13/12 12:15
GW0484	1202054-07	M_2-13-2012_11-26-00AM-03	02/13/12 12:17
GW0485	1202054-09	M_2-13-2012_11-26-00AM-03	02/13/12 12:18
Calibration Check	2B04406-CCV2	M_2-13-2012_11-26-00AM-03	02/13/12 12:20
Calibration Blank	2B04406-CCB2	M_2-13-2012_11-26-00AM-03	02/13/12 12:21

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04407	Instrument:	WC-Lachat
Calibration:	2044002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04407-CAL1	M_2-13-2012_01-01-16PM-00	02/13/12 13:03
Cal Standard	2B04407-CAL2	M_2-13-2012_01-01-16PM-00	02/13/12 13:04
Cal Standard	2B04407-CAL3	M_2-13-2012_01-01-16PM-00	02/13/12 13:06
Cal Standard	2B04407-CAL4	M_2-13-2012_01-01-16PM-00	02/13/12 13:07
Cal Standard	2B04407-CAL5	M_2-13-2012_01-01-16PM-00	02/13/12 13:09
Cal Standard	2B04407-CAL6	M_2-13-2012_01-01-16PM-00	02/13/12 13:10
Cal Standard	2B04407-CAL7	M_2-13-2012_01-01-16PM-00	02/13/12 13:12
Cal Standard	2B04407-CAL8	M_2-13-2012_01-01-16PM-00	02/13/12 13:13
Initial Cal Check	2B04407-ICV1	M_2-13-2012_01-01-16PM-00	02/13/12 13:14
Initial Cal Blank	2B04407-ICB1	M_2-13-2012_01-01-16PM-01	02/13/12 13:16
Blank	2B13019-BLK1	M_2-13-2012_01-01-16PM-01	02/13/12 13:19
LCS	2B13019-BS1	M_2-13-2012_01-01-16PM-01	02/13/12 13:20
GW0408	1202069-01	M_2-13-2012_01-01-16PM-01	02/13/12 13:22
GW0426	1202069-03	M_2-13-2012_01-01-16PM-01	02/13/12 13:23
GW0427	1202069-05	M_2-13-2012_01-01-16PM-01	02/13/12 13:25
GW0479	1202069-07	M_2-13-2012_01-01-16PM-01	02/13/12 13:26
GW0490	1202069-09	M_2-13-2012_01-01-16PM-01	02/13/12 13:27
GW0490	2B13019-MS1	M_2-13-2012_01-01-16PM-01	02/13/12 13:29
GW0490	2B13019-MSD1	M_2-13-2012_01-01-16PM-02	02/13/12 13:30
GW0406	1202080-01	M_2-13-2012_01-01-16PM-02	02/13/12 13:32
GW0416	1202080-03	M_2-13-2012_01-01-16PM-02	02/13/12 13:33
GW0417	1202080-05	M_2-13-2012_01-01-16PM-02	02/13/12 13:35
GW0425	1202080-07	M_2-13-2012_01-01-16PM-02	02/13/12 13:36
GW0448	1202080-09	M_2-13-2012_01-01-16PM-02	02/13/12 13:38
Calibration Check	2B04407-CCV1	M_2-13-2012_01-01-16PM-02	02/13/12 13:39
Calibration Blank	2B04407-CCB1	M_2-13-2012_01-01-16PM-02	02/13/12 13:40
GW0452	1202043-01RE1	M_2-13-2012_01-01-16PM-03	02/13/12 13:54
GW0452	2B13015-MS2	M_2-13-2012_01-01-16PM-03	02/13/12 13:55
GW0452	2B13015-MSD2	M_2-13-2012_01-01-16PM-03	02/13/12 13:57
Calibration Check	2B04407-CCV2	M_2-13-2012_01-01-16PM-03	02/13/12 13:58
Calibration Blank	2B04407-CCB2	M_2-13-2012_01-01-16PM-04	02/13/12 13:59

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04610	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04610-CCV1	021412-003	02/14/12 17:06
Calibration Blank	2B04610-CCB1	021412-004	02/14/12 17:23
Instrument RL Check	2B04610-CRL1	021412-005	02/14/12 17:41
LCS	2B14026-BS1	021412-008	02/14/12 18:33
Blank	2B14026-BLK1	021412-009	02/14/12 18:50
GW0452	1202043-01	021412-010	02/14/12 19:08
Calibration Check	2B04610-CCV2	021412-023	02/14/12 22:54
Calibration Blank	2B04610-CCB2	021412-024	02/14/12 23:12
GW0489	1202043-03	021412-030	02/15/12 00:56
GW0491	1202043-05	021412-031	02/15/12 01:13
GW0492	1202043-07	021412-032	02/15/12 01:31
GW0484	1202054-07	021412-033	02/15/12 01:48
GW0485	1202054-09	021412-034	02/15/12 02:06
GW0452	2B14026-MS2	021412-035	02/15/12 02:23
GW0452	2B14026-MSD2	021412-036	02/15/12 02:40
GW0452	2B14026-DUP2	021412-037	02/15/12 02:58
Calibration Check	2B04610-CCV3	021412-043	02/15/12 04:42
Calibration Blank	2B04610-CCB3	021412-044	02/15/12 05:00

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04707	Instrument:	WC-Lachat
Calibration:	2047002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B04707-CAL1	M_2-16-2012_01-18-04PM-00	02/16/12 13:19
Cal Standard	2B04707-CAL2	M_2-16-2012_01-18-04PM-00	02/16/12 13:20
Cal Standard	2B04707-CAL3	M_2-16-2012_01-18-04PM-00	02/16/12 13:21
Cal Standard	2B04707-CAL4	M_2-16-2012_01-18-04PM-00	02/16/12 13:22
Cal Standard	2B04707-CAL5	M_2-16-2012_01-18-04PM-00	02/16/12 13:23
Cal Standard	2B04707-CAL6	M_2-16-2012_01-18-04PM-00	02/16/12 13:24
Cal Standard	2B04707-CAL7	M_2-16-2012_01-18-04PM-00	02/16/12 13:25
Cal Standard	2B04707-CAL8	M_2-16-2012_01-18-04PM-00	02/16/12 13:26
Initial Cal Check	2B04707-ICV1	M_2-16-2012_01-18-04PM-00	02/16/12 13:27
Blank	2B15006-BLK1	M_2-16-2012_01-18-04PM-01	02/16/12 13:28
Initial Cal Blank	2B04707-ICB1	M_2-16-2012_01-18-04PM-01	02/16/12 13:28
LCS	2B15006-BS1	M_2-16-2012_01-18-04PM-01	02/16/12 13:29
GW0381	1202035-01	M_2-16-2012_01-18-04PM-01	02/16/12 13:34
GW0386	1202035-03	M_2-16-2012_01-18-04PM-01	02/16/12 13:35
GW0402	1202035-05	M_2-16-2012_01-18-04PM-01	02/16/12 13:36
GW0419	1202035-07	M_2-16-2012_01-18-04PM-02	02/16/12 13:37
GW0498	1202035-09	M_2-16-2012_01-18-04PM-02	02/16/12 13:38
GW0452	1202043-01	M_2-16-2012_01-18-04PM-02	02/16/12 13:39
GW0452	2B15006-MS1	M_2-16-2012_01-18-04PM-02	02/16/12 13:40
GW0452	2B15006-MSD1	M_2-16-2012_01-18-04PM-02	02/16/12 13:41
Calibration Check	2B04707-CCV1	M_2-16-2012_01-18-04PM-02	02/16/12 13:42
Calibration Blank	2B04707-CCB1	M_2-16-2012_01-18-04PM-02	02/16/12 13:43
GW0489	1202043-03	M_2-16-2012_01-18-04PM-02	02/16/12 13:44
GW0491	1202043-05	M_2-16-2012_01-18-04PM-02	02/16/12 13:45
GW0492	1202043-07	M_2-16-2012_01-18-04PM-02	02/16/12 13:46
GW0454	1202054-03	M_2-16-2012_01-18-04PM-03	02/16/12 13:47
GW0453	1202054-01	M_2-16-2012_01-18-04PM-03	02/16/12 13:47
GW0483	1202054-05	M_2-16-2012_01-18-04PM-03	02/16/12 13:48
GW0484	1202054-07	M_2-16-2012_01-18-04PM-03	02/16/12 13:49
GW0485	1202054-09	M_2-16-2012_01-18-04PM-03	02/16/12 13:50
Calibration Check	2B04707-CCV2	M_2-16-2012_01-18-04PM-03	02/16/12 13:53
Calibration Blank	2B04707-CCB2	M_2-16-2012_01-18-04PM-03	02/16/12 13:54

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05210	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05210-CCV2	021712-007	02/17/12 13:36
Calibration Blank	2B05210-CCB2	021712-008	02/17/12 13:53
Instrument RL Check	2B05210-CRL1	021712-009	02/17/12 14:11
LCS	2B17016-BS1	021712-012	02/17/12 15:03
Blank	2B17016-BLK1	021712-013	02/17/12 15:20
GW0417	1202080-05	021712-014	02/17/12 15:38
GW0425	1202080-07	021712-015	02/17/12 15:55
GW0448	1202080-09	021712-016	02/17/12 16:13
Calibration Check	2B05210-CCV3	021712-025	02/17/12 18:49
Calibration Blank	2B05210-CCB3	021712-026	02/17/12 19:07

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05401	Instrument:	WC-Lachat
Calibration:	2054001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05401-CAL1	M_2-22-2012_02-32-08PM-00	02/22/12 14:32
Cal Standard	2B05401-CAL2	M_2-22-2012_02-32-08PM-00	02/22/12 14:33
Cal Standard	2B05401-CAL3	M_2-22-2012_02-32-08PM-00	02/22/12 14:34
Cal Standard	2B05401-CAL4	M_2-22-2012_02-32-08PM-00	02/22/12 14:35
Cal Standard	2B05401-CAL5	M_2-22-2012_02-32-08PM-00	02/22/12 14:36
Cal Standard	2B05401-CAL6	M_2-22-2012_02-32-08PM-00	02/22/12 14:37
Cal Standard	2B05401-CAL7	M_2-22-2012_02-32-08PM-00	02/22/12 14:38
Cal Standard	2B05401-CAL8	M_2-22-2012_02-32-08PM-00	02/22/12 14:39
Initial Cal Check	2B05401-ICV1	M_2-22-2012_02-32-08PM-00	02/22/12 14:40
Initial Cal Blank	2B05401-ICB1	M_2-22-2012_02-32-08PM-01	02/22/12 14:41
Blank	2B21007-BLK1	M_2-22-2012_02-32-08PM-01	02/22/12 14:42
LCS	2B21007-BS1	M_2-22-2012_02-32-08PM-01	02/22/12 14:43
GW0408	1202069-01	M_2-22-2012_02-32-08PM-01	02/22/12 14:44
GW0426	1202069-03	M_2-22-2012_02-32-08PM-01	02/22/12 14:45
GW0427	1202069-05	M_2-22-2012_02-32-08PM-01	02/22/12 14:46
GW0479	1202069-07	M_2-22-2012_02-32-08PM-01	02/22/12 14:47
GW0406	1202080-01	M_2-22-2012_02-32-08PM-02	02/22/12 14:50
GW0416	1202080-03	M_2-22-2012_02-32-08PM-02	02/22/12 14:51
GW0417	1202080-05	M_2-22-2012_02-32-08PM-02	02/22/12 14:52
GW0425	1202080-07	M_2-22-2012_02-32-08PM-02	02/22/12 14:53
GW0448	1202080-09	M_2-22-2012_02-32-08PM-02	02/22/12 14:54
Calibration Check	2B05401-CCV1	M_2-22-2012_02-32-08PM-02	02/22/12 14:55
Calibration Blank	2B05401-CCB1	M_2-22-2012_02-32-08PM-02	02/22/12 14:56

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05407	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05407-CCV1	021512-003	02/15/12 14:26
Calibration Blank	2B05407-CCB1	021512-004	02/15/12 14:43
Instrument RL Check	2B05407-CRL1	021512-005	02/15/12 15:01
LCS	2B14027-BS1	021512-008	02/15/12 15:53
Blank	2B14027-BLK1	021512-009	02/15/12 16:10
GW0453	1202054-01	021512-012	02/15/12 17:03
GW0454	1202054-03	021512-013	02/15/12 17:20
GW0483	1202054-05	021512-014	02/15/12 17:38
GW0408	1202069-01	021512-015	02/15/12 17:55
GW0426	1202069-03	021512-016	02/15/12 18:12
GW0427	1202069-05	021512-017	02/15/12 18:30
GW0479	1202069-07	021512-018	02/15/12 18:47
GW0406	1202080-01	021512-019	02/15/12 19:05
GW0416	1202080-03	021512-020	02/15/12 19:22
GW0490	1202069-09	021512-021	02/15/12 19:40
GW0490	2B14027-MS1	021512-022	02/15/12 19:57
GW0490	2B14027-MSD1	021512-023	02/15/12 20:14
GW0490	2B14027-DUP1	021512-024	02/15/12 20:32
Calibration Check	2B05407-CCV2	021512-025	02/15/12 20:49
Calibration Blank	2B05407-CCB2	021512-026	02/15/12 21:07

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_043
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05410	Instrument:	WC-Lachat
Calibration:	2054004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05410-CAL2	M_2-23-2012_01-40-12PM-00	02/23/12 13:42
Cal Standard	2B05410-CAL3	M_2-23-2012_01-40-12PM-00	02/23/12 13:43
Cal Standard	2B05410-CAL4	M_2-23-2012_01-40-12PM-00	02/23/12 13:44
Cal Standard	2B05410-CAL5	M_2-23-2012_01-40-12PM-00	02/23/12 13:45
Cal Standard	2B05410-CAL6	M_2-23-2012_01-40-12PM-00	02/23/12 13:46
Cal Standard	2B05410-CAL7	M_2-23-2012_01-40-12PM-00	02/23/12 13:47
Cal Standard	2B05410-CAL8	M_2-23-2012_01-40-12PM-00	02/23/12 13:48
Initial Cal Check	2B05410-ICV1	M_2-23-2012_01-40-12PM-00	02/23/12 13:49
Blank	2B23002-BLK1	M_2-23-2012_01-40-12PM-01	02/23/12 13:50
Initial Cal Blank	2B05410-ICB1	M_2-23-2012_01-40-12PM-01	02/23/12 13:50
LCS	2B23002-BS1	M_2-23-2012_01-40-12PM-01	02/23/12 13:51
Calibration Check	2B05410-CCV1	M_2-23-2012_01-40-12PM-02	02/23/12 14:04
Calibration Blank	2B05410-CCB1	M_2-23-2012_01-40-12PM-02	02/23/12 14:05
GW0490	1202069-09RE1	M_2-23-2012_01-40-12PM-03	02/23/12 14:09
GW0490	2B23002-MSD1	M_2-23-2012_01-40-12PM-03	02/23/12 14:10
GW0490	2B23002-MS1	M_2-23-2012_01-40-12PM-03	02/23/12 14:10
Calibration Check	2B05410-CCV2	M_2-23-2012_01-40-12PM-03	02/23/12 14:11
Calibration Blank	2B05410-CCB2	M_2-23-2012_01-40-12PM-03	02/23/12 14:12