ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_044

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

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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.

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Sample Delivery Group Case Narrative

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

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

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

Analytical Information
All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. 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 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 continuing calibration verifications exceeded criteria:
2B04803-CCV1 with a positive bias for 2-Butanone
2B05208-CCV1 with a positive bias for Bromoform and Dichlorodifluoromethane
2B05304-CCV1 with a positive bias for Dichlorodifluoromethane and a negative bias for Hexachlorobutadiene, Naphthalene, and 1,2,3-Trichlorobenzene
2B05502-CCV1 with a positive bias for Dichlorodifluoromethane and a negative bias for Hexachlorobutadiene and 1,2,3-Trichlorobenzene

The following blanks have positive results; note – all positive results are less than the LOD:
2B16015-BLK1 for Naphthalene
2B20006-BLK1 for Naphthalene
2B21013-BLK1 for Naphthalene and 1,2,4-Trichlorobenzene
2B23009-BLK1 for Naphthalene and 1,2,4-Trichlorobenzene

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

SW8270C BNA:
The following surrogates exceeded criteria:
2-Fluorophenol with a negative bias in 1202127-09; note – the surrogate recovered at less than 10%; therefore, sample 1202127-09 was re-extracted and both original and re-extract are included in the report since the re-extract was extracted outside of holding time
Nitrobenzene-d5 with a positive bias in 1202127-07
Terphenyl-d14 with a positive bias in 1202116-03, -05, -07, and -11
2,4,6-Tribromophenol with a positive bias in 2B21009-BS1 and with a negative bias in 1202127-09

The following sample was extracted outside of the method recommended holding time:
1202127-09RE1 11 days after the sampling with a 7 day method recommended holding time

The following batch spikes exceeded criteria:
2B14006-BS1 with a negative bias for Caprolactam
2B15010-BS1 with a negative bias for Caprolactam
2B17021-BS1 with a negative bias for Caprolactam and Hexachloroethane
2B20003-BS1 with a negative bias for Caprolactam and a positive bias for Butylbenzylphthalate
2B21009-BS1 with a negative bias for Caprolactam and a positive bias for Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, 4-Bromophenyl-phenylether, Butylbenzylphthalate, Carbazole, Bis(2-chloroethoxy)methane, 2-Chloronaphthalene, 4-Chlorophenyl phenyl ether, Chrysene, Dibenzofuran, Dibenz(a,h)anthracene, Di-n-butylphthalate, 3,3'-Dichlorobenzidine, 2,4-Dichlorophenol, Di-n-octylphthalate,

Bis(2-ethylhexyl)phthalate, Fluorene, Hexachlorobenzene, 2-Methylnaphthalene, Phenanthrene, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol
2B27016-BS1 with a negative bias for Caprolactam

The following matrix spikes exceeded criteria:
2B21009-MS1/MSD1 (1202127-09) with a negative bias for Caprolactam, a positive bias for Benzo(a)pyrene, Carbazole, Di-n-octylphthalate, Hexachlorobenzene, and 4-Nitroaniline
2B27016-MSD1 (1202127-09RE1) with a negative bias for Hexachloroethane

The following internal standard exceeded criteria:
1,4-Dichlorobenzene-d4 with a negative bias in 2C06122-CCV2
Naphthalene-d8 with a negative bias in 2C06122-CCV2
Perylene-d12 with a positive bias in 2B15010-BS1

The following continuing calibration verifications exceeded criteria:
2B05211-CCV1 with a negative bias for Fluoranthene
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
2B05311-CCV1 with a negative bias for Benzo(g,h,i)perylene and a positive bias for Di-n-octylphthalate
2B05403-CCV1 with a negative bias for Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, and 3-Methylphenol/4-Methylphenol
2B05601-CCV1 with a negative bias for Benzo(g,h,i)perylene, 2,4-Dinitrophenol, 4-Nitroaniline, 2-Nitroaniline, 4-Nitrophenol, and Nitrobenzene-d5 and with a positive bias for 2,4,6-Tribromophenol
2B05601-CCV2 with a positive bias for Benzidine and 3,3'-Dichlorobenzidine
2C06122-CCV1 with a negative bias for 2,2'-Oxybis-1-chloropropane
2C06301-CCV1 with a negative bias for 4-Nitrophenol

The following blank has a positive result:
2B15010-BLK1 for Diethylphthalate

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 1202084-11, 2B05308-CCV2, -CCV3, 1202116-11, 1202127-01, -03, -05, -07, -09, 2B17003-MS1, and –MSD1; 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 matrix spikes exceeded criteria:
2B29011-MS1/MSD1 (1202127-09) for Calcium; note – the parent sample concentration for Calcium is greater than 4 times the amount spiked

The following post spike exceeded criteria:
2B29011-PS1 (1202127-09) 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

1202084

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW174

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

Samples Shipment Date: 10 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306616994

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 Unknown Radiological

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 2/10/12 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: 2/11/12 Time: 0818

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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120 2084

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW174

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0407	KAFB-106030-WG-GW0407-REG	09 FEB 2012	14:57	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
03	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
04	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0415	KAFB-106038-WG-GW0415-REG	09 FEB 2012	15:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
05	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
06	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0441	KAFB-106062-WG-GW0441-REG	10 FEB 2012	13:00	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
07	GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
8	GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by			N		

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12002084

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW174

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
							SW846 6010C					
GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0442	KAFB-106063-WG-GW0442-REG	10 FEB 2012	9:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0443	KAFB-106063-WG-GW0443-FD	10 FEB 2012	9:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0480	KAFB-106095-WG-GW0480-REG	10 FEB 2012	11:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Shaw™
Shaw E & I, Inc.

1202084

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW174

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13 ~~14~~ GW8174-TB	FIELDQC-BW-GW8174-TB-TB	10 FEB 2012	08:00	40 mL VOA VIAL	2 HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/11/12 @ 0818

1. Tracking #_____6994_____(last 4 digits, FedEx) WO# 1202084

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.6 Degrees Celsius + correction factor 0.0 = 0.6

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: 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) _____

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_ 02/11/12 @ 0818

WO# 1202084

1. Tracking # 7019 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.2 Degrees Celsius + correction factor 0.0 = 1.2

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 cuatody 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_ 02/11/12 @ 0818

1. Tracking #_7008_(last 4 digits, FedEx) WO# 1202084

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.9 Degrees Celsius + correction factor 0.0 = 3.9

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: 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) _____

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_ 02/11/12 @ 0818

WO# 1202084

1. Tracking #_____7020_____(last 4 digits, FedEx)

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: 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) _____

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 papere? 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 bottlea, did pH test strips suggest preservation reached the correct pH level? YES... NO...NA

b. Did the bottle labels indicate that the correct preservativee 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.

1202096

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW175

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

Samples Shipment Date: 13 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
~~Project Contact: Pamela Moss~~
Carrier/Waybill No.: Fed Ex/488306617030

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: 2-13-2012 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: 2/14/12 Time: 0930

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
Ø1	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
Ø2	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Shaw
Shaw E & I, Inc.

12022096

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW175

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0391	KAFB-106011-WG-GW0391-REG	13 FEB 2012	11:48	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, ~~Magnesium, Sodium, and Lead by~~ SW846 6010C			N		
03	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0412	KAFB-106035-WG-GW0412-REG	13 FEB 2012	10:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0414	KAFB-106037-WG-GW0414-REG	13 FEB 2012	13:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
07	GW8175-TB	FIELDQC-BW-GW8175-TB-TB	13 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/14/12 @ 0930

WO# 1202096

1. Tracking # 7030 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.2 *Degrees Celsius + correction factor* 0.0 = 0.2

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 # _____

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_ 02/14/12 @ 0930

WO# 1202096

1. Tracking #_7052_(last 4 digits, FedEx)

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 # 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_ 02/14/12 @ 0930

1. Tracking #_____7041_____(last 4 digits, FedEx) WO# 1202096

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? 2/14/12 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.

1202099

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW176

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

Samples Shipment Date: 14 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617063

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: 2-14-2012 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: 2/15/12 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 GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02 GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Shaw™
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1202099

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW176

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0394	KAFB-106015-WG-GW0394-REG	13 FEB 2012	14:12	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, ~~Magnesium, Sodium, and Lead by~~ SW846 6010C			N		
03	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
04	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0413	KAFB-106036-WG-GW0413-REG	13 FEB 2012	15:33	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
05	GW8176-TB	FIELDQC-BW-GW8176-TB-TB	14 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/15/12 @ 0830

1. Tracking #_____7063_____(last 4 digits, FedEx) WO# 1202099

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.2 Degrees Celsius + correction factor 0.0 = 0.2

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 # _____

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:

* "GW0394 HAD 1 GRO VOA BIS+ & 1 EDB VOA BIS+

DRO IS UNPRESERVED

+ BROKEN IN SHIPMENT

Shaw™
Shaw E & I, Inc.

120216

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW177

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

Samples Shipment Date: 15 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
~~Project Contact: Pamela Moss~~
Carrier/Waybill No.: Fed Ex/488306617074

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: 2-15-2012 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: 2/16/12 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	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
02	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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1202116

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW177

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0431	KAFB-106052-WG-GW0431-REG	15 FEB 2012	10:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
03	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
04	GW0432	KAFB-106053-WG-GW0432-REG	15 FEB 2012	12:53	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0433	KAFB-106053-WG-GW0433-FD	15 FEB 2012	12:53	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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1202116

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW177

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0447	KAFB-106066-WG-GW0447-REG	15 FEB 2012	12:33	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	40 mL VOA VIAL	3	HCl<pH 2 2 sent one Broke	VOCs by SW846 8260B			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
10	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0471	KAFB-106087-WG-GW0471-REG	14 FEB 2012	15:22	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
11	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
12	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0481	KAFB-106096-WG-GW0481-REG	14 FEB 2012	14:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

1202116

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW177

	Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW6177-TB	FIELDQC-BW-GW6177-TB-TB	15 FEB 2012	08:00	40 mL VOA VIAL	2 HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/16/12 @ 0820

1. Tracking # 7074 (last 4 digits, FedEx) WO# 1202116

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.2 *Degrees Celsius + correction factor 0.0* = 0.2

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) 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)

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_ 02/16/12 @ 0820

WO# 1202116

1. Tracking # 7085 (last 4 digits, FedEx)

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) 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) [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:

Cooler Received/Opened On_ 02/16/12 @ 0820

1. Tracking #_____7096_____(last 4 digits, FedEx) WO# 1202116

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.7 *Degrees Celsius + correction factor 0.0* = 1.7

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) 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) BO

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) BO

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) BO

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

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

Additional Details:

Cooler Received/Opened On_ 02/16/12 @ 0820

1. Tracking #_7100_____(last 4 digits, FedEx) WO# 1202116

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) 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 # 4

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:

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1202127

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW178

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

Samples Shipment Date: 16 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617111

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) Darrell Rose SHAW — Date: 2-16-2012 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: 2/17/12 Time: 0850

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
Ø1	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW178

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01								Alkalinity by SM2320B					
02	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0434	KAFB-106054-WG-GW0434-REG	15 FEB 2012	15:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
04	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0445	KAFB-106028-510-WG-GW0445-REG	16 FEB 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
05	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
06	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0446	KAFB-106065-WG-GW0446-REG	15 FEB 2012	15:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
07	GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW178

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07 GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
08 GW0469	KAFB-106085-WG-GW0469-REG	16 FEB 2012	14:12	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01 GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10 GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0470	KAFB-106086-WG-GW0470-REG	16 FEB 2012	11:54	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
10 GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0470-MS	KAFB-106086-WG-GW0470-MS-MS	16 FEB 2012	11:54	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW178

09

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0470-MSD	KAFB-106086-WG-GW0470-MSD-MSD	16 FEB 2012	11:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW8178-TB	FIELDQC-BW-GW8178-TB-TB	16 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

11

Cooler Received/Opened On_ 02/17/12 @ 0830

WO# 1202127

1. Tracking #_7111_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.4 Degrees Celsius + correction factor 0.0 = 0.4

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 # 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_ 02/17/12 @ 0830

1. Tracking #_____7144_____(last 4 digits, FedEx) WO# R02127

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.6 Degrees Celsius + correction factor 0.0 = 3.6

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 # 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_ 02/17/12 @ 0830

1. Tracking #_7133_____(last 4 digits, FedEx) WO# 1202127

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.2 *Degrees Celsius + correction factor 0.0* = 3.2

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) 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:

Cooler Received/Opened On_ 02/17/12 @ 0830

1. Tracking #_7122_(last 4 digits, FedEx) WO# 1202127

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.1 *Degrees Celsius + correction factor 0.0* = 3.1

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:

WORK ORDER

Printed: 3/9/2012 10:00:27AM

1202084

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: 03/12/2012 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: 02/13/2012 08:00
Logged In By: Benjamin C. Wright
Date Logged In: 02/13/2012 09:04

Samples Received at: **0.6°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: 3/9/2012 10:00:27AM**

1202084

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
1202084-01 GW0407 [Water] Sampled 02/09/2012 14:57 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	02/29/2012 14:00	15	02/16/2012 15:57	
SW6010B	MET_ICP_6010B_FULL	02/29/2012 14:00	15	08/07/2012 15:57	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	02/29/2012 14:00	15	02/23/2012 15:57	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/29/2012 14:00	15	02/16/2012 15:57	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	02/29/2012 14:00	15	02/23/2012 15:57	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	02/29/2012 14:00	15	03/08/2012 15:57	
E300.0	WC_ANIONS_300.0 (Regular)	02/29/2012 14:00	15	03/08/2012 15:57	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/29/2012 14:00	15	03/08/2012 15:57	
SW8015B GR(	VGC_GRO_8015B	02/29/2012 14:00	15	02/23/2012 15:57	
SW8015B DR(	SGC_DRO_8015B_3510	02/29/2012 14:00	15	02/16/2012 15:57	
SW8011	SGC_EDB_8011	02/29/2012 14:00	15	02/23/2012 15:57	Run dilutions based on 8260 results!
1202084-02 GW0407 [Water] Sampled 02/09/2012 14:57 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/29/2012 14:00	15	08/07/2012 15:57	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:00:27AM

1202084

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
1202084-03 GW0415 [Water] Sampled 02/09/2012 15:01 Mountain					
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/29/2012 14:00	15	03/08/2012 16:01	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/29/2012 14:00	15	02/16/2012 16:01	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	02/29/2012 14:00	15	03/08/2012 16:01	
E300.0	WC_ANIONS_300.0 (Regular)	02/29/2012 14:00	15	03/08/2012 16:01	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	02/29/2012 14:00	15	08/07/2012 16:01	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	02/29/2012 14:00	15	02/23/2012 16:01	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/29/2012 14:00	15	02/23/2012 16:01	
SW8011	SGC_EDB_8011	02/29/2012 14:00	15	02/23/2012 16:01	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/29/2012 14:00	15	02/16/2012 16:01	
SM2320B	WC_ALKALINITY_2320B	02/29/2012 14:00	15	02/23/2012 16:01	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	02/29/2012 14:00	15	02/16/2012 16:01	
1202084-04 GW0415 [Water] Sampled 02/09/2012 15:01 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/29/2012 14:00	15	08/07/2012 16:01	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:00:27AM

1202084

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
1202084-05 GW0441 [Water] Sampled 02/10/2012 13:00 Mountain					
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/29/2012 14:00	15	03/09/2012 14:00	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/29/2012 14:00	15	02/17/2012 14:00	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/29/2012 14:00	15	02/17/2012 14:00	
E353.2	WC_NO3NO2_N_353.2	02/29/2012 14:00	15	03/09/2012 14:00	
E300.0	WC_ANIONS_300.0 (Regular)	02/29/2012 14:00	15	03/09/2012 14:00	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	02/29/2012 14:00	15	02/24/2012 14:00	carb/bicarb
SW8015B GR(	VGC_GRO_8015B	02/29/2012 14:00	15	02/24/2012 14:00	
SW8011	SGC_EDB_8011	02/29/2012 14:00	15	02/24/2012 14:00	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	02/29/2012 14:00	15	02/17/2012 14:00	
SW6010B	MET_ICP_6010B_FULL	02/29/2012 14:00	15	08/08/2012 14:00	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	02/29/2012 14:00	15	02/24/2012 14:00	naphthalene must be reported
1202084-06 GW0441 [Water] Sampled 02/10/2012 13:00 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/29/2012 14:00	15	08/08/2012 14:00	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:00:27AM

1202084

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
1202084-07 GW0442 [Water] Sampled 02/10/2012 09:26 Mountain					
E353.2	WC_NO3NO2_N_353.2	02/29/2012 14:00	15	03/09/2012 10:26	
SW6010B	MET_ICP_6010B_FULL	02/29/2012 14:00	15	08/08/2012 10:26	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/29/2012 14:00	15	02/24/2012 10:26	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/29/2012 14:00	15	03/09/2012 10:26	
SW8011	SGC_EDB_8011	02/29/2012 14:00	15	02/24/2012 10:26	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	02/29/2012 14:00	15	02/24/2012 10:26	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	02/29/2012 14:00	15	02/17/2012 10:26	
E300.0	WC_ANIONS_300.0 (Regular)	02/29/2012 14:00	15	03/09/2012 10:26	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	02/29/2012 14:00	15	02/24/2012 10:26	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	02/29/2012 14:00	15	02/17/2012 10:26	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/29/2012 14:00	15	02/17/2012 10:26	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1202084-08 GW0442 [Water] Sampled 02/10/2012 09:26 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/29/2012 14:00	15	08/08/2012 10:26	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:00:27AM

1202084

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
1202084-09 GW0443 [Water] Sampled 02/10/2012 09:26 Mountain					
SM2320B	WC_ALKALINITY_2320B	02/29/2012 14:00	15	02/24/2012 10:26	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/29/2012 14:00	15	02/17/2012 10:26	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	02/29/2012 14:00	15	02/17/2012 10:26	
E353.2	WC_NO3NO2_N_353.2	02/29/2012 14:00	15	03/09/2012 10:26	
E300.0	WC_ANIONS_300.0 (Regular)	02/29/2012 14:00	15	03/09/2012 10:26	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	02/29/2012 14:00	15	08/08/2012 10:26	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	02/29/2012 14:00	15	02/17/2012 10:26	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/29/2012 14:00	15	03/09/2012 10:26	
SW8260B	VOC_8260B_REG	02/29/2012 14:00	15	02/24/2012 10:26	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	02/29/2012 14:00	15	02/24/2012 10:26	
SW8011	SGC_EDB_8011	02/29/2012 14:00	15	02/24/2012 10:26	Run dilutions based on 8260 results!
1202084-10 GW0443 [Water] Sampled 02/10/2012 09:26 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/29/2012 14:00	15	08/08/2012 10:26	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:00:27AM

1202084

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
1202084-11 GW0480 [Water] Sampled 02/10/2012 11:47 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	02/29/2012 14:00	15	03/09/2012 12:47	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	02/29/2012 14:00	15	03/09/2012 12:47	
SM2320B	WC_ALKALINITY_2320B	02/29/2012 14:00	15	02/24/2012 12:47	carb/bicarb
SW8260B	VOC_8260B_REG	02/29/2012 14:00	15	02/24/2012 12:47	naphthalene must be reported
SW8011	SGC_EDB_8011	02/29/2012 14:00	15	02/24/2012 12:47	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	02/29/2012 14:00	15	03/09/2012 12:47	
SM4500S2CF	WC_SULFIDE_4500S2CF	02/29/2012 14:00	15	02/17/2012 12:47	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	02/29/2012 14:00	15	02/17/2012 12:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	02/29/2012 14:00	15	02/17/2012 12:47	
SW6010B	MET_ICP_6010B_FULL	02/29/2012 14:00	15	08/08/2012 12:47	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	02/29/2012 14:00	15	02/24/2012 12:47	
1202084-12 GW0480 [Water] Sampled 02/10/2012 11:47 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	02/29/2012 14:00	15	08/08/2012 12:47	Fe & Mn
1202084-13 GW8174-TB [Water] Sampled 02/10/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	02/29/2012 14:00	15	02/24/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/9/2012 10:04:21AM

1202096

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: 03/12/2012 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: 02/14/2012 09:30
Logged In By: Benjamin C. Wright
Date Logged In: 02/14/2012 12:23

Samples Received at: **0.2°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: 3/9/2012 10:04:21AM

1202096

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
1202096-01 GW0391 [Water] Sampled 02/13/2012 11:48 Mountain					
E353.2	WC_NO3NO2_N_353.2	03/01/2012 14:00	15	03/12/2012 12:48	
SW6010B	MET_ICP_6010B_FULL	03/01/2012 14:00	15	08/11/2012 12:48	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	03/01/2012 14:00	15	03/12/2012 12:48	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	03/01/2012 14:00	15	02/20/2012 12:48	
SW8015B DR(	SGC_DRO_8015B_3510	03/01/2012 14:00	15	02/20/2012 12:48	
SW8011	SGC_EDB_8011	03/01/2012 14:00	15	02/27/2012 12:48	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/01/2012 14:00	15	02/27/2012 12:48	
SW8260B	VOC_8260B_REG	03/01/2012 14:00	15	02/27/2012 12:48	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/01/2012 14:00	15	02/27/2012 12:48	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/01/2012 14:00	15	03/12/2012 12:48	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/01/2012 14:00	15	02/20/2012 12:48	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1202096-02 GW0391 [Water] Sampled 02/13/2012 11:48 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/01/2012 14:00	15	08/11/2012 12:48	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:04:21AM

1202096

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
1202096-03 GW0412 [Water] Sampled 02/13/2012 10:10 Mountain					
SW6010B	MET_ICP_6010B_FULL	03/01/2012 14:00	15	08/11/2012 11:10	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	03/01/2012 14:00	15	03/12/2012 11:10	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/01/2012 14:00	15	02/20/2012 11:10	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/01/2012 14:00	15	02/20/2012 11:10	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/01/2012 14:00	15	03/12/2012 11:10	
SM2320B	WC_ALKALINITY_2320B	03/01/2012 14:00	15	02/27/2012 11:10	carb/bicarb
SW8260B	VOC_8260B_REG	03/01/2012 14:00	15	02/27/2012 11:10	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	03/01/2012 14:00	15	02/27/2012 11:10	
E300.0	WC_ANIONS_300.0 (Regular)	03/01/2012 14:00	15	03/12/2012 11:10	Cl, SO4
SW8015B DR(	SGC_DRO_8015B_3510	03/01/2012 14:00	15	02/20/2012 11:10	
SW8011	SGC_EDB_8011	03/01/2012 14:00	15	02/27/2012 11:10	Run dilutions based on 8260 results!
1202096-04 GW0412 [Water] Sampled 02/13/2012 10:10 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/01/2012 14:00	15	08/11/2012 11:10	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:04:21AM

1202096

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
1202096-05 GW0414 [Water] Sampled 02/13/2012 13:13 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	03/01/2012 14:00	15	02/20/2012 14:13	
SW8011	SGC_EDB_8011	03/01/2012 14:00	15	02/27/2012 14:13	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/01/2012 14:00	15	02/27/2012 14:13	
SW8260B	VOC_8260B_REG	03/01/2012 14:00	15	02/27/2012 14:13	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/01/2012 14:00	15	02/27/2012 14:13	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/01/2012 14:00	15	03/12/2012 14:13	
E300.0	WC_ANIONS_300.0 (Regular)	03/01/2012 14:00	15	03/12/2012 14:13	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/01/2012 14:00	15	03/12/2012 14:13	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/01/2012 14:00	15	02/20/2012 14:13	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/01/2012 14:00	15	02/20/2012 14:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	03/01/2012 14:00	15	08/11/2012 14:13	Ca, Pb, K, Na, Mg
1202096-06 GW0414 [Water] Sampled 02/13/2012 13:13 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/01/2012 14:00	15	08/11/2012 14:13	Fe & Mn
1202096-07 GW8175-TB [Water] Sampled 02/13/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/01/2012 14:00	15	02/27/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/9/2012 10:05:08AM

1202099

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: 03/12/2012 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: 02/15/2012 08:30
Logged In By: Benjamin C. Wright
Date Logged In: 02/15/2012 11:07

Samples Received at: **0.2°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: 3/9/2012 10:05:08AM

1202099

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
1202099-01 GW0394 [Water] Sampled 02/13/2012 14:12 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	03/02/2012 14:00	15	02/20/2012 15:12	
SW8011	SGC_EDB_8011	03/02/2012 14:00	15	02/27/2012 15:12	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/02/2012 14:00	15	02/27/2012 15:12	
SW8260B	VOC_8260B_REG	03/02/2012 14:00	15	02/27/2012 15:12	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/02/2012 14:00	15	02/27/2012 15:12	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/02/2012 14:00	15	03/12/2012 15:12	
E300.0	WC_ANIONS_300.0 (Regular)	03/02/2012 14:00	15	03/12/2012 15:12	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/02/2012 14:00	15	03/12/2012 15:12	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/02/2012 14:00	15	02/20/2012 15:12	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/02/2012 14:00	15	02/20/2012 15:12	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	03/02/2012 14:00	15	08/11/2012 15:12	Ca, Pb, K, Na, Mg
1202099-02 GW0394 [Water] Sampled 02/13/2012 14:12 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/02/2012 14:00	15	08/11/2012 15:12	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:05:08AM

1202099

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
1202099-03 GW0413 [Water] Sampled 02/13/2012 15:33 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	03/02/2012 14:00	15	02/20/2012 16:33	
SW8011	SGC_EDB_8011	03/02/2012 14:00	15	02/27/2012 16:33	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/02/2012 14:00	15	02/27/2012 16:33	
SW8260B	VOC_8260B_REG	03/02/2012 14:00	15	02/27/2012 16:33	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/02/2012 14:00	15	02/27/2012 16:33	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/02/2012 14:00	15	03/12/2012 16:33	
E300.0	WC_ANIONS_300.0 (Regular)	03/02/2012 14:00	15	03/12/2012 16:33	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/02/2012 14:00	15	03/12/2012 16:33	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/02/2012 14:00	15	02/20/2012 16:33	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/02/2012 14:00	15	02/20/2012 16:33	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	03/02/2012 14:00	15	08/11/2012 16:33	Ca, Pb, K, Na, Mg
1202099-04 GW0413 [Water] Sampled 02/13/2012 15:33 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/02/2012 14:00	15	08/11/2012 16:33	Fe & Mn
1202099-05 GW8176-TB [Water] Sampled 02/14/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/02/2012 14:00	15	02/28/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/9/2012 10:07:24AM

1202116

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: 03/12/2012 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: 02/16/2012 08:20
Logged In By: Benjamin C. Wright
Date Logged In: 02/16/2012 10:51

Samples Received at: **0.2°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: 3/9/2012 10:07:24AM

1202116

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
1202116-01 GW0431 [Water] Sampled 02/15/2012 10:31 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	03/05/2012 14:00	15	02/22/2012 11:31	
SW6010B	MET_ICP_6010B_FULL	03/05/2012 14:00	15	08/13/2012 11:31	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/05/2012 14:00	15	02/29/2012 11:31	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/05/2012 14:00	15	02/22/2012 11:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	03/05/2012 14:00	15	02/29/2012 11:31	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	03/05/2012 14:00	15	03/14/2012 11:31	
E300.0	WC_ANIONS_300.0 (Regular)	03/05/2012 14:00	15	03/14/2012 11:31	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/05/2012 14:00	15	03/14/2012 11:31	
SM2320B	WC_ALKALINITY_2320B	03/05/2012 14:00	15	02/29/2012 11:31	carb/bicarb
SW8015B DR(	SGC_DRO_8015B_3510	03/05/2012 14:00	15	02/22/2012 11:31	
SW8011	SGC_EDB_8011	03/05/2012 14:00	15	02/29/2012 11:31	Run dilutions based on 8260 results!
1202116-02 GW0431 [Water] Sampled 02/15/2012 10:31 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/05/2012 14:00	15	08/13/2012 11:31	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:07:24AM

1202116

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
1202116-03 GW0432 [Water] Sampled 02/15/2012 12:53 Mountain					
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/05/2012 14:00	15	03/14/2012 13:53	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/05/2012 14:00	15	02/22/2012 13:53	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	03/05/2012 14:00	15	03/14/2012 13:53	
E300.0	WC_ANIONS_300.0 (Regular)	03/05/2012 14:00	15	03/14/2012 13:53	Cl, SO4
SW8260B	VOC_8260B_REG	03/05/2012 14:00	15	02/29/2012 13:53	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	03/05/2012 14:00	15	08/13/2012 13:53	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/05/2012 14:00	15	02/29/2012 13:53	
SW8011	SGC_EDB_8011	03/05/2012 14:00	15	02/29/2012 13:53	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	03/05/2012 14:00	15	02/22/2012 13:53	
SM2320B	WC_ALKALINITY_2320B	03/05/2012 14:00	15	02/29/2012 13:53	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	03/05/2012 14:00	15	02/22/2012 13:53	
1202116-04 GW0432 [Water] Sampled 02/15/2012 12:53 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/05/2012 14:00	15	08/13/2012 13:53	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:07:24AM

1202116

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
1202116-05 GW0433 [Water] Sampled 02/15/2012 12:53 Mountain					
SW8015B GR(	VGC_GRO_8015B	03/05/2012 14:00	15	02/29/2012 13:53	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/05/2012 14:00	15	02/22/2012 13:53	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	03/05/2012 14:00	15	02/22/2012 13:53	
E353.2	WC_NO3NO2_N_353.2	03/05/2012 14:00	15	03/14/2012 13:53	
E300.0	WC_ANIONS_300.0 (Regular)	03/05/2012 14:00	15	03/14/2012 13:53	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/05/2012 14:00	15	03/14/2012 13:53	
SW8260B	VOC_8260B_REG	03/05/2012 14:00	15	02/29/2012 13:53	naphthalene must be reported
SW8011	SGC_EDB_8011	03/05/2012 14:00	15	02/29/2012 13:53	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	03/05/2012 14:00	15	02/22/2012 13:53	
SW6010B	MET_ICP_6010B_FULL	03/05/2012 14:00	15	08/13/2012 13:53	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	03/05/2012 14:00	15	02/29/2012 13:53	carb/bicarb
1202116-06 GW0433 [Water] Sampled 02/15/2012 12:53 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/05/2012 14:00	15	08/13/2012 13:53	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:07:24AM

1202116

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
1202116-07 GW0447 [Water] Sampled 02/15/2012 12:33 Mountain					
E353.2	WC_NO3NO2_N_353.2	03/05/2012 14:00	15	03/14/2012 13:33	
SW6010B	MET_ICP_6010B_FULL	03/05/2012 14:00	15	08/13/2012 13:33	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/05/2012 14:00	15	02/29/2012 13:33	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/05/2012 14:00	15	03/14/2012 13:33	
SW8011	SGC_EDB_8011	03/05/2012 14:00	15	02/29/2012 13:33	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	03/05/2012 14:00	15	02/29/2012 13:33	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	03/05/2012 14:00	15	02/22/2012 13:33	
E300.0	WC_ANIONS_300.0 (Regular)	03/05/2012 14:00	15	03/14/2012 13:33	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	03/05/2012 14:00	15	02/29/2012 13:33	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	03/05/2012 14:00	15	02/22/2012 13:33	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/05/2012 14:00	15	02/22/2012 13:33	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1202116-08 GW0447 [Water] Sampled 02/15/2012 12:33 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/05/2012 14:00	15	08/13/2012 13:33	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:07:24AM

1202116

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
1202116-09 GW0471 [Water] Sampled 02/14/2012 15:22 Mountain					
SM2320B	WC_ALKALINITY_2320B	03/05/2012 14:00	15	02/28/2012 16:22	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/05/2012 14:00	15	02/21/2012 16:22	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	03/05/2012 14:00	15	02/21/2012 16:22	
E353.2	WC_NO3NO2_N_353.2	03/05/2012 14:00	15	03/13/2012 16:22	
E300.0	WC_ANIONS_300.0 (Regular)	03/05/2012 14:00	15	03/13/2012 16:22	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	03/05/2012 14:00	15	08/12/2012 16:22	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/05/2012 14:00	15	02/21/2012 16:22	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/05/2012 14:00	15	03/13/2012 16:22	
SW8260B	VOC_8260B_REG	03/05/2012 14:00	15	02/28/2012 16:22	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	03/05/2012 14:00	15	02/28/2012 16:22	
SW8011	SGC_EDB_8011	03/05/2012 14:00	15	02/28/2012 16:22	Run dilutions based on 8260 results!
1202116-10 GW0471 [Water] Sampled 02/14/2012 15:22 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/05/2012 14:00	15	08/12/2012 16:22	Fe & Mn

WORK ORDER

Printed: 3/9/2012 10:07:24AM

1202116

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
1202116-11 GW0481 [Water] Sampled 02/14/2012 14:56 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	03/05/2012 14:00	15	03/13/2012 15:56	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/05/2012 14:00	15	03/13/2012 15:56	
SM2320B	WC_ALKALINITY_2320B	03/05/2012 14:00	15	02/28/2012 15:56	carb/bicarb
SW8260B	VOC_8260B_REG	03/05/2012 14:00	15	02/28/2012 15:56	naphthalene must be reported
SW8011	SGC_EDB_8011	03/05/2012 14:00	15	02/28/2012 15:56	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	03/05/2012 14:00	15	03/13/2012 15:56	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/05/2012 14:00	15	02/21/2012 15:56	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/05/2012 14:00	15	02/21/2012 15:56	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	03/05/2012 14:00	15	02/21/2012 15:56	
SW6010B	MET_ICP_6010B_FULL	03/05/2012 14:00	15	08/12/2012 15:56	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/05/2012 14:00	15	02/28/2012 15:56	
1202116-12 GW0481 [Water] Sampled 02/14/2012 14:56 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/05/2012 14:00	15	08/12/2012 15:56	Fe & Mn
1202116-13 GW8177-TB [Water] Sampled 02/15/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/05/2012 14:00	15	02/29/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/9/2012 10:09:20AM

1202127

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: 03/12/2012 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: 02/17/2012 08:30
Logged In By: Benjamin C. Wright
Date Logged In: 02/17/2012 10:13

Samples Received at: **0.4°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: 3/9/2012 10:09:20AM

1202127

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
1202127-01 GW0434 [Water] Sampled 02/15/2012 15:58 Mountain					
SM2320B	WC_ALKALINITY_2320B	03/06/2012 14:00	15	02/29/2012 16:58	carb/bicarb
SW8015B DR(	SGC_DRO_8015B_3510	03/06/2012 14:00	15	02/22/2012 16:58	
SW8011	SGC_EDB_8011	03/06/2012 14:00	15	02/29/2012 16:58	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	03/06/2012 14:00	15	08/13/2012 16:58	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	03/06/2012 14:00	15	02/29/2012 16:58	naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/06/2012 14:00	15	03/14/2012 16:58	
E300.0	WC_ANIONS_300.0 (Regular)	03/06/2012 14:00	15	03/14/2012 16:58	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/06/2012 14:00	15	03/14/2012 16:58	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/06/2012 14:00	15	02/22/2012 16:58	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/06/2012 14:00	15	02/22/2012 16:58	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GR(	VGC_GRO_8015B	03/06/2012 14:00	15	02/29/2012 16:58	
1202127-02 GW0434 [Water] Sampled 02/15/2012 15:58 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/06/2012 14:00	15	08/13/2012 16:58	Fe & Mn

WORK ORDER

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1202127

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
1202127-03 GW0445 [Water] Sampled 02/16/2012 11:13 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/06/2012 14:00	15	02/23/2012 12:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	03/06/2012 14:00	15	02/23/2012 12:13	
SW6010B	MET_ICP_6010B_FULL	03/06/2012 14:00	15	08/14/2012 12:13	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	03/06/2012 14:00	15	03/15/2012 12:13	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/06/2012 14:00	15	03/15/2012 12:13	
SW8011	SGC_EDB_8011	03/06/2012 14:00	15	03/01/2012 12:13	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	03/06/2012 14:00	15	02/23/2012 12:13	
SW8015B GR(	VGC_GRO_8015B	03/06/2012 14:00	15	03/01/2012 12:13	
E353.2	WC_NO3NO2_N_353.2	03/06/2012 14:00	15	03/15/2012 12:13	
SM2320B	WC_ALKALINITY_2320B	03/06/2012 14:00	15	03/01/2012 12:13	carb/bicarb
SW8260B	VOC_8260B_REG	03/06/2012 14:00	15	03/01/2012 12:13	naphthalene must be reported
1202127-04 GW0445 [Water] Sampled 02/16/2012 11:13 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/06/2012 14:00	15	08/14/2012 12:13	Fe & Mn

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1202127

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
1202127-05 GW0446 [Water] Sampled 02/15/2012 15:03 Mountain					
SW8015B GR(	VGC_GRO_8015B	03/06/2012 14:00	15	02/29/2012 16:03	
SW8260B	VOC_8260B_REG	03/06/2012 14:00	15	02/29/2012 16:03	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/06/2012 14:00	15	02/29/2012 16:03	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/06/2012 14:00	15	02/22/2012 16:03	IS low sampling being re-analyzed
SW6010B	MET_ICP_6010B_FULL	03/06/2012 14:00	15	08/13/2012 16:03	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/06/2012 14:00	15	02/22/2012 16:03	
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/06/2012 14:00	15	03/14/2012 16:03	
E300.0	WC_ANIONS_300.0 (Regular)	03/06/2012 14:00	15	03/14/2012 16:03	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/06/2012 14:00	15	03/14/2012 16:03	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/06/2012 14:00	15	02/22/2012 16:03	
SW8011	SGC_EDB_8011	03/06/2012 14:00	15	02/29/2012 16:03	Run dilutions based on 8260 results!
1202127-06 GW0446 [Water] Sampled 02/15/2012 15:03 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/06/2012 14:00	15	08/13/2012 16:03	Fe & Mn

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1202127

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
1202127-07 GW0469 [Water] Sampled 02/16/2012 14:12 Mountain					
SW6010B	MET_ICP_6010B_FULL	03/06/2012 14:00	15	08/14/2012 15:12	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/06/2012 14:00	15	02/23/2012 15:12	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	03/06/2012 14:00	15	03/15/2012 15:12	
E300.0	WC_ANIONS_300.0 (Regular)	03/06/2012 14:00	15	03/15/2012 15:12	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/06/2012 14:00	15	03/15/2012 15:12	
SM2320B	WC_ALKALINITY_2320B	03/06/2012 14:00	15	03/01/2012 15:12	carb/bicarb
SW8260B	VOC_8260B_REG	03/06/2012 14:00	15	03/01/2012 15:12	naphthalene must be reported
SW8015B GR(	VGC_GRO_8015B	03/06/2012 14:00	15	03/01/2012 15:12	
SW8015B DR(	SGC_DRO_8015B_3510	03/06/2012 14:00	15	02/23/2012 15:12	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/06/2012 14:00	15	02/23/2012 15:12	
SW8011	SGC_EDB_8011	03/06/2012 14:00	15	03/01/2012 15:12	Run dilutions based on 8260 results!
1202127-08 GW0469 [Water] Sampled 02/16/2012 14:12 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/06/2012 14:00	15	08/14/2012 15:12	Fe & Mn

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1202127

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
1202127-09 GW0470 [Water] Sampled 02/16/2012 11:54 Mountain					**MS/MSD.**
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/06/2012 14:00	15	02/23/2012 12:54	MS/MSD.requires 3-Methlphenol/4-Methylphenol/Naphthal
SW6010B	MET_ICP_6010B_FULL	03/06/2012 14:00	15	08/14/2012 12:54	MS/MND.Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/06/2012 14:00	15	02/23/2012 12:54	MS/MSD.
SW8011	SGC_EDB_8011	03/06/2012 14:00	15	03/01/2012 12:54	MS/MSD.Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/06/2012 14:00	15	03/01/2012 12:54	MS/MSD.
SW8260B	VOC_8260B_REG	03/06/2012 14:00	15	03/01/2012 12:54	MS/MSD.naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/06/2012 14:00	15	03/01/2012 12:54	MS/MSD.carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/06/2012 14:00	15	03/15/2012 12:54	MS/MSD.
E300.0	WC_ANIONS_300.0 (Regular)	03/06/2012 14:00	15	03/15/2012 12:54	MS/MSD.Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/06/2012 14:00	15	03/15/2012 12:54	MS/MSD.
SM4500S2CF	WC_SULFIDE_4500S2CF	03/06/2012 14:00	15	02/23/2012 12:54	MS/MSD.
1202127-10 GW0470 [Water] Sampled 02/16/2012 11:54 Mountain					**MS/MSD.**
SW6010B	MET_ICP_6010B_FULL_DIS	03/06/2012 14:00	15	08/14/2012 12:54	MS/MSD.Fe & Mn
1202127-11 GW8178-TB [Water] Sampled 02/16/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/06/2012 14:00	15	03/01/2012 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_044
MATRIX: Water

QC LEVEL: Level IV
Report Due: 3/9/2012
Client Sample Count: 44

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B	SW8011
Client Sample	2/9/2012	2/13/2012	1202084-01	GW0407	X	X	X	X	X	X	X
Client Sample	2/9/2012	2/13/2012	1202084-02	GW0407						X	
Client Sample	2/9/2012	2/13/2012	1202084-03	GW0415	X	X	X	X	X	X	X
Client Sample	2/9/2012	2/13/2012	1202084-04	GW0415						X	
Client Sample	2/10/2012	2/13/2012	1202084-05	GW0441	X	X	X	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-06	GW0441						X	
Client Sample	2/10/2012	2/13/2012	1202084-07	GW0442	X	X	X	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-08	GW0442						X	
Client Sample	2/10/2012	2/13/2012	1202084-09	GW0443	X	X	X	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-10	GW0443						X	
Client Sample	2/10/2012	2/13/2012	1202084-11	GW0480	X	X	X	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-12	GW0480						X	
Trip Blank	2/10/2012	2/13/2012	1202084-13	GW8174-TB							
Client Sample	2/13/2012	2/14/2012	1202096-01	GW0391	X	X	X	X	X	X	X
Client Sample	2/13/2012	2/14/2012	1202096-02	GW0391						X	
Client Sample	2/13/2012	2/14/2012	1202096-03	GW0412	X	X	X	X	X	X	X
Client Sample	2/13/2012	2/14/2012	1202096-04	GW0412						X	
Client Sample	2/13/2012	2/14/2012	1202096-05	GW0414	X	X	X	X	X	X	X
Client Sample	2/13/2012	2/14/2012	1202096-06	GW0414						X	
Trip Blank	2/13/2012	2/14/2012	1202096-07	GW8175-TB							
Client Sample	2/13/2012	2/15/2012	1202099-01	GW0394	X	X	X	X	X	X	X
Client Sample	2/13/2012	2/15/2012	1202099-02	GW0394						X	
Client Sample	2/13/2012	2/15/2012	1202099-03	GW0413	X	X	X	X	X	X	X
Client Sample	2/13/2012	2/15/2012	1202099-04	GW0413						X	
Trip Blank	2/14/2012	2/15/2012	1202099-05	GW8176-TB							
Client Sample	2/15/2012	2/16/2012	1202116-01	GW0431	X	X	X	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-02	GW0431						X	
Client Sample	2/15/2012	2/16/2012	1202116-03	GW0432	X	X	X	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-04	GW0432						X	
Client Sample	2/15/2012	2/16/2012	1202116-05	GW0433	X	X	X	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-06	GW0433						X	
Client Sample	2/15/2012	2/16/2012	1202116-07	GW0447	X	X	X	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-08	GW0447						X	
Client Sample	2/14/2012	2/16/2012	1202116-09	GW0471	X	X	X	X	X	X	X
Client Sample	2/14/2012	2/16/2012	1202116-10	GW0471						X	
Client Sample	2/14/2012	2/16/2012	1202116-11	GW0481	X	X	X	X	X	X	X
Client Sample	2/14/2012	2/16/2012	1202116-12	GW0481						X	
Trip Blank	2/15/2012	2/16/2012	1202116-13	GW8177-TB							
Client Sample	2/15/2012	2/17/2012	1202127-01	GW0434	X	X	X	X	X	X	X
Client Sample	2/15/2012	2/17/2012	1202127-02	GW0434						X	
Client Sample	2/16/2012	2/17/2012	1202127-03	GW0445	X	X	X	X	X	X	X
Client Sample	2/16/2012	2/17/2012	1202127-04	GW0445						X	
Client Sample	2/15/2012	2/17/2012	1202127-05	GW0446	X	X	X	X	X	X	X
Client Sample	2/15/2012	2/17/2012	1202127-06	GW0446						X	
Client Sample	2/16/2012	2/17/2012	1202127-07	GW0469	X	X	X	X	X	X	X
Client Sample	2/16/2012	2/17/2012	1202127-08	GW0469						X	
Client Sample	2/16/2012	2/17/2012	1202127-09	GW0470	MS/MSD	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/16/2012	2/17/2012	1202127-10	GW0470						MS/MSD.	
Trip Blank	2/16/2012	2/17/2012	1202127-11	GW8178-TB							

Sample Type	Sampled	Received	Lab ID	Client ID	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	2/9/2012	2/13/2012	1202084-01	GW0407	X	X	X	X
Client Sample	2/9/2012	2/13/2012	1202084-02	GW0407				
Client Sample	2/9/2012	2/13/2012	1202084-03	GW0415	X	X	X	X
Client Sample	2/9/2012	2/13/2012	1202084-04	GW0415				
Client Sample	2/10/2012	2/13/2012	1202084-05	GW0441	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-06	GW0441				
Client Sample	2/10/2012	2/13/2012	1202084-07	GW0442	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-08	GW0442				
Client Sample	2/10/2012	2/13/2012	1202084-09	GW0443	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-10	GW0443				
Client Sample	2/10/2012	2/13/2012	1202084-11	GW0480	X	X	X	X
Client Sample	2/10/2012	2/13/2012	1202084-12	GW0480				
Trip Blank	2/10/2012	2/13/2012	1202084-13	GW8174-TB			X	
Client Sample	2/13/2012	2/14/2012	1202096-01	GW0391	X	X	X	X
Client Sample	2/13/2012	2/14/2012	1202096-02	GW0391				
Client Sample	2/13/2012	2/14/2012	1202096-03	GW0412	X	X	X	X
Client Sample	2/13/2012	2/14/2012	1202096-04	GW0412				
Client Sample	2/13/2012	2/14/2012	1202096-05	GW0414	X	X	X	X
Client Sample	2/13/2012	2/14/2012	1202096-06	GW0414				
Trip Blank	2/13/2012	2/14/2012	1202096-07	GW8175-TB			X	
Client Sample	2/13/2012	2/15/2012	1202099-01	GW0394	X	X	X	X
Client Sample	2/13/2012	2/15/2012	1202099-02	GW0394				
Client Sample	2/13/2012	2/15/2012	1202099-03	GW0413	X	X	X	X
Client Sample	2/13/2012	2/15/2012	1202099-04	GW0413				
Trip Blank	2/14/2012	2/15/2012	1202099-05	GW8176-TB			X	
Client Sample	2/15/2012	2/16/2012	1202116-01	GW0431	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-02	GW0431				
Client Sample	2/15/2012	2/16/2012	1202116-03	GW0432	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-04	GW0432				
Client Sample	2/15/2012	2/16/2012	1202116-05	GW0433	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-06	GW0433				
Client Sample	2/15/2012	2/16/2012	1202116-07	GW0447	X	X	X	X
Client Sample	2/15/2012	2/16/2012	1202116-08	GW0447				
Client Sample	2/14/2012	2/16/2012	1202116-09	GW0471	X	X	X	X
Client Sample	2/14/2012	2/16/2012	1202116-10	GW0471				
Client Sample	2/14/2012	2/16/2012	1202116-11	GW0481	X	X	X	X
Client Sample	2/14/2012	2/16/2012	1202116-12	GW0481				
Trip Blank	2/15/2012	2/16/2012	1202116-13	GW8177-TB			X	
Client Sample	2/15/2012	2/17/2012	1202127-01	GW0434	X	X	X	X
Client Sample	2/15/2012	2/17/2012	1202127-02	GW0434				
Client Sample	2/16/2012	2/17/2012	1202127-03	GW0445	X	X	X	X
Client Sample	2/16/2012	2/17/2012	1202127-04	GW0445				
Client Sample	2/15/2012	2/17/2012	1202127-05	GW0446	X	X	X	X
Client Sample	2/15/2012	2/17/2012	1202127-06	GW0446				
Client Sample	2/16/2012	2/17/2012	1202127-07	GW0469	X	X	X	X
Client Sample	2/16/2012	2/17/2012	1202127-08	GW0469				
Client Sample	2/16/2012	2/17/2012	1202127-09	GW0470	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/16/2012	2/17/2012	1202127-10	GW0470				
Trip Blank	2/16/2012	2/17/2012	1202127-11	GW8178-TB			X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01	File ID:	0208401.D
Sampled:	02/09/12 14:57	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 15:16
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	2.80	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)		0.250	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	0.480	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01	File ID:	0208401.D
Sampled:	02/09/12 14:57	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 15:16
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	2.16	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	0.400	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	2.71	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.60	102	75 - 120	
Dibromofluoromethane	30.00	31.89	106	85 - 115	
1,2-Dichloroethane-d4	30.00	29.88	99.6	70 - 120	
Toluene-d8	30.00	30.50	102	85 - 120	

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03	File ID:	0208403.D
Sampled:	02/09/12 15:01	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 15:41
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

GW0415

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03	File ID:	0208403.D
Sampled:	02/09/12 15:01	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 15:41
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	30.67	102	75 - 120	
Dibromofluoromethane	30.00	32.22	107	85 - 115	
1,2-Dichloroethane-d4	30.00	29.49	98.3	70 - 120	
Toluene-d8	30.00	30.13	100	85 - 120	

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05	File ID:	0208405.D
Sampled:	02/10/12 13:00	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 16:07
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

GW0441

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05	File ID:	0208405.D
Sampled:	02/10/12 13:00	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 16:07
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	30.55	102	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.06	100	70 - 120	
Toluene-d8	30.00	30.16	101	85 - 120	

ANALYSIS DATA SHEET

GW0442

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07	File ID:	0208407.D
Sampled:	02/10/12 09:26	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 16:32
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	1.00	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane	0.540	0.250	0.500	1.00	J
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

GW0442

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07	File ID:	0208407.D
Sampled:	02/10/12 09:26	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 16:32
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	0.590	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	Q, U
79-01-6	Trichloroethene	0.610	0.250	0.500	1.00	J
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	30.79	103	75 - 120	
Dibromofluoromethane	30.00	31.82	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.90	103	70 - 120	
Toluene-d8	30.00	31.29	104	85 - 120	

ANALYSIS DATA SHEET

GW0443

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09RE1	File ID:	0208409R.D
Sampled:	02/10/12 09:26	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 11:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	0.516	0.250	0.500	1.00	J
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	0.951	0.500	1.00	2.00	X, J
75-34-3	1,1-Dichloroethane	0.466	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

GW0443

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09RE1	File ID:	0208409R.D
Sampled:	02/10/12 09:26	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 11:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.470	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	0.563	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	31.31	104	75 - 120	
Dibromofluoromethane	30.00	32.50	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.70	106	70 - 120	
Toluene-d8	30.00	30.90	103	85 - 120	

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11RE1	File ID:	0208411R.D
Sampled:	02/10/12 11:47	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 12:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.388	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11RE1	File ID:	0208411R.D
Sampled:	02/10/12 11:47	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 12:09
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.84	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)	2.21	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.56	98.5	75 - 120	
Dibromofluoromethane	30.00	33.09	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.00	107	70 - 120	
Toluene-d8	30.00	30.41	101	85 - 120	

ANALYSIS DATA SHEET

GW8174-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-13	File ID:	0208413.D
Sampled:	02/10/12 08:00	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 11:55
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

GW8174-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-13	File ID:	0208413.D
Sampled:	02/10/12 08:00	Prepared:	02/16/12 00:00	Analyzed:	02/16/12 11:55
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	31.26	104	75 - 120	
Dibromofluoromethane	30.00	30.59	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.83	103	70 - 120	
Toluene-d8	30.00	30.53	102	85 - 120	

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01	File ID:	0209601.D
Sampled:	02/13/12 11:48	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 13:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01	File ID:	0209601.D
Sampled:	02/13/12 11:48	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 13:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	29.60	98.7	75 - 120	
Dibromofluoromethane	30.00	32.78	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.42	108	70 - 120	
Toluene-d8	30.00	30.18	101	85 - 120	

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03	File ID:	0209603.D
Sampled:	02/13/12 10:10	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 13:34
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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)	0.718	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03	File ID:	0209603.D
Sampled:	02/13/12 10:10	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 13:34
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	30.77	103	75 - 120	
Dibromofluoromethane	30.00	33.54	112	85 - 115	
1,2-Dichloroethane-d4	30.00	31.59	105	70 - 120	
Toluene-d8	30.00	30.49	102	85 - 120	

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05	File ID:	0209605.D
Sampled:	02/13/12 13:13	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 14:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05	File ID:	0209605.D
Sampled:	02/13/12 13:13	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 14:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.04	103	75 - 120	
Dibromofluoromethane	30.00	33.14	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.32	108	70 - 120	
Toluene-d8	30.00	29.38	97.9	85 - 120	

ANALYSIS DATA SHEET

GW8175-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-07	File ID:	0209607.D
Sampled:	02/13/12 08:00	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 09:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8175-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-07	File ID:	0209607.D
Sampled:	02/13/12 08:00	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 09:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.32	104	75 - 120	
Dibromofluoromethane	30.00	33.04	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.40	108	70 - 120	
Toluene-d8	30.00	30.00	100	85 - 120	

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01	File ID:	0209901.D
Sampled:	02/13/12 14:12	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 14:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	0.257	0.250	0.500	1.00	J
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	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

GW0394

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01	File ID:	0209901.D
Sampled:	02/13/12 14:12	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 14:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	30.78	103	75 - 120	
Dibromofluoromethane	30.00	33.49	112	85 - 115	
1,2-Dichloroethane-d4	30.00	32.92	110	70 - 120	
Toluene-d8	30.00	30.15	101	85 - 120	

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03	File ID:	0209903.D
Sampled:	02/13/12 15:33	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 14:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	0.369	0.250	0.500	1.00	J
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)	0.414	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03	File ID:	0209903.D
Sampled:	02/13/12 15:33	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 14:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	32.93	110	85 - 115	
1,2-Dichloroethane-d4	30.00	33.40	111	70 - 120	
Toluene-d8	30.00	30.85	103	85 - 120	

ANALYSIS DATA SHEET

GW8176-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-05	File ID:	0209905.D
Sampled:	02/14/12 08:00	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 11:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8176-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-05	File ID:	0209905.D
Sampled:	02/14/12 08:00	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 11:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	32.41	108	85 - 115	
1,2-Dichloroethane-d4	30.00	32.02	107	70 - 120	
Toluene-d8	30.00	30.17	101	85 - 120	

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01	File ID:	0211601.D
Sampled:	02/15/12 10:31	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 15:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.49	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	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01	File ID:	0211601.D
Sampled:	02/15/12 10:31	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 15:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone	1.51	1.25	2.50	5.00	J
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	30.56	102	75 - 120	
Dibromofluoromethane	30.00	32.63	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.76	106	70 - 120	
Toluene-d8	30.00	30.12	100	85 - 120	

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03	File ID:	0211603.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 15:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03	File ID:	0211603.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 15:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.75	106	75 - 120	
Dibromofluoromethane	30.00	33.20	111	85 - 115	
1,2-Dichloroethane-d4	30.00	32.49	108	70 - 120	
Toluene-d8	30.00	31.22	104	85 - 120	

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05	File ID:	0211605.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 16:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05	File ID:	0211605.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 16:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	29.08	96.9	75 - 120	
Dibromofluoromethane	30.00	33.13	110	85 - 115	
1,2-Dichloroethane-d4	30.00	33.46	112	70 - 120	
Toluene-d8	30.00	30.24	101	85 - 120	

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07	File ID:	0211607.D
Sampled:	02/15/12 12:33	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 16:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07	File ID:	0211607.D
Sampled:	02/15/12 12:33	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 16:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	33.15	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.87	110	70 - 120	
Toluene-d8	30.00	29.51	98.4	85 - 120	

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09	File ID:	0211609.D
Sampled:	02/14/12 15:22	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 12:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09	File ID:	0211609.D
Sampled:	02/14/12 15:22	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 12:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	30.39	101	75 - 120	
Dibromofluoromethane	30.00	33.14	110	85 - 115	
1,2-Dichloroethane-d4	30.00	31.42	105	70 - 120	
Toluene-d8	30.00	30.64	102	85 - 120	

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11	File ID:	0211611.D
Sampled:	02/14/12 14:56	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 17:20
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.257	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11	File ID:	0211611.D
Sampled:	02/14/12 14:56	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 17:20
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	1.78	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	0.260	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	1.65	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.04	103	75 - 120	
Dibromofluoromethane	30.00	33.25	111	85 - 115	
1,2-Dichloroethane-d4	30.00	33.20	111	70 - 120	
Toluene-d8	30.00	30.33	101	85 - 120	

ANALYSIS DATA SHEET

GW8177-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-13	File ID:	0211613.D
Sampled:	02/15/12 08:00	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 10:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8177-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-13	File ID:	0211613.D
Sampled:	02/15/12 08:00	Prepared:	02/20/12 00:00	Analyzed:	02/20/12 10:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	30.76	103	75 - 120	
Dibromofluoromethane	30.00	33.54	112	85 - 115	
1,2-Dichloroethane-d4	30.00	32.61	109	70 - 120	
Toluene-d8	30.00	30.13	100	85 - 120	

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01	File ID:	0212701.D
Sampled:	02/15/12 15:58	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 13:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01	File ID:	0212701.D
Sampled:	02/15/12 15:58	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 13:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	Y, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	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	30.79	103	75 - 120	
Dibromofluoromethane	30.00	32.54	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.31	104	70 - 120	
Toluene-d8	30.00	30.22	101	85 - 120	

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03RE1	File ID:	0212703D.D
Sampled:	02/16/12 11:13	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 19:01
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	165	5.00	10.0	20.0	D
71-43-2	Benzene	59.9	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	0.865	0.500	1.00	2.00	J, D
78-93-3	2-Butanone	10.5	5.00	10.0	20.0	J, D
135-98-8	sec-Butylbenzene	1.68	0.500	1.00	2.00	J, D
98-06-6	tert-Butylbenzene		0.500	1.00	2.00	U
75-15-0	Carbon disulfide	0.797	0.500	1.00	2.00	J, 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	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)	2.14	0.500	1.00	2.00	D
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	X, U
75-34-3	1,1-Dichloroethane		0.500	1.00	2.00	U
107-06-2	1,2-Dichloroethane	4.21	0.500	1.00	2.00	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	17.9	0.500	1.00	2.00	D
87-68-3	Hexachlorobutadiene		0.500	1.00	2.00	Y, U

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03RE1	File ID:	0212703D.D
Sampled:	02/16/12 11:13	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 19:01
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

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	16.2	0.500	1.00	2.00	D
99-87-6	p-Isopropyltoluene	3.23	0.500	1.00	2.00	D
75-09-2	Methylene chloride		1.00	2.00	4.00	U
91-20-3	Naphthalene	2.36	0.500	1.00	2.00	D, B
108-10-1	4-Methyl-2-pentanone	4.94	2.50	5.00	10.0	J, D
1634-04-4	Methyl t-Butyl Ether	1.09	0.500	1.00	2.00	J, D
103-65-1	n-Propylbenzene	7.49	0.500	1.00	2.00	D
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	92.3	0.500	1.00	2.00	D
87-61-6	1,2,3-Trichlorobenzene		0.500	1.00	2.00	Y, 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	2.84	0.500	1.00	2.00	D
95-63-6	1,2,4-Trimethylbenzene	6.38	0.500	1.00	2.00	D
75-01-4	Vinyl chloride		0.500	1.00	2.00	U
1330-20-7	Xylenes (total)	40.8	1.50	3.00	6.00	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.00	100	75 - 120	
Dibromofluoromethane	30.00	32.93	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.21	107	70 - 120	
Toluene-d8	30.00	30.49	102	85 - 120	

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05RE1	File ID:	0212705.D
Sampled:	02/15/12 15:03	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 16:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	15.1	2.50	5.00	10.0	
71-43-2	Benzene	4.17	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene	1.52	0.250	0.500	1.00	
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	2.56	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.43	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	22.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05RE1	File ID:	0212705.D
Sampled:	02/15/12 15:03	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 16:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	21.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	3.95	0.250	0.500	1.00	
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.746	0.250	0.500	1.00	J, B
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether	0.500	0.250	0.500	1.00	J
103-65-1	n-Propylbenzene	7.56	0.250	0.500	1.00	
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	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	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	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	13.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	18.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	14.0	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.85	103	75 - 120	
Dibromofluoromethane	30.00	33.29	111	85 - 115	
1,2-Dichloroethane-d4	30.00	33.98	113	70 - 120	
Toluene-d8	30.00	30.33	101	85 - 120	

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07	File ID:	0212707.D
Sampled:	02/16/12 14:12	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 15:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.2	2.50	5.00	10.0	
71-43-2	Benzene	0.310	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	2.63	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	Y, U

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07	File ID:	0212707.D
Sampled:	02/16/12 14:12	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 15:56
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.697	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene	1.14	0.250	0.500	1.00	
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	Y, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	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	2.33	0.250	0.500	1.00	
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	29.66	98.9	75 - 120	
Dibromofluoromethane	30.00	32.49	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	31.09	104	85 - 120	

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09	File ID:	0212709.D
Sampled:	02/16/12 11:54	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 13:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5.96	2.50	5.00	10.0	J
71-43-2	Benzene	0.333	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	0.314	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	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)	0.735	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.13	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	Y, U

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09	File ID:	0212709.D
Sampled:	02/16/12 11:54	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 13:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	3.79	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	Y, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	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	1.45	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	0.798	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	2.51	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.41	105	75 - 120	
Dibromofluoromethane	30.00	33.67	112	85 - 115	
1,2-Dichloroethane-d4	30.00	35.06	117	70 - 120	
Toluene-d8	30.00	31.34	104	85 - 120	

ANALYSIS DATA SHEET

GW8178-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-11	File ID:	0212711.D
Sampled:	02/16/12 08:00	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 11:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

GW8178-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-11	File ID:	0212711.D
Sampled:	02/16/12 08:00	Prepared:	02/21/12 00:00	Analyzed:	02/21/12 11:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	Y, U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	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	31.03	103	75 - 120	
Dibromofluoromethane	30.00	32.67	109	85 - 115	
1,2-Dichloroethane-d4	30.00	31.26	104	70 - 120	
Toluene-d8	30.00	29.70	99.0	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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	
GW8174-TB (1202084-13) ug/L				Lab File ID: 0208413.D		Analyzed: 02/16/12 11:55		
Bromofluorobenzene	30.00	104	75 - 120	12.19	12.2	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.83	6.84	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	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	
GW0407 (1202084-01) ug/L				Lab File ID: 0208401.D		Analyzed: 02/16/12 15:16		
Bromofluorobenzene	30.00	102	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	99.6	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	
GW0415 (1202084-03) ug/L				Lab File ID: 0208403.D		Analyzed: 02/16/12 15:41		
Bromofluorobenzene	30.00	102	75 - 120	12.19	12.2	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.83	6.84	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.3	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.56	9.58	-0.0200	+/-1.000	
GW0441 (1202084-05) ug/L				Lab File ID: 0208405.D		Analyzed: 02/16/12 16:07		
Bromofluorobenzene	30.00	102	75 - 120	12.19	12.2	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.84	6.84	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.34	7.34	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.57	9.58	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
GW0442 (1202084-07) ug/L				Lab File ID: 0208407.D		Analyzed: 02/16/12 16:32		
Bromofluorobenzene	30.00	103	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	103	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	
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	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05208	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05208-CCV1) ug/L				Lab File ID: 0220CCV1.D		Analyzed: 02/20/12 07:19		
Bromofluorobenzene	30.00	112	80 - 120	12.252	12.252	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	80 - 120	7.422	7.422	0.0000	+/-1.000	
Toluene-d8	30.00	104	80 - 120	9.635	9.635	0.0000	+/-1.000	
LCS (2B20006-BS1) ug/L				Lab File ID: 0220LCS1.D		Analyzed: 02/20/12 07:55		
Bromofluorobenzene	30.00	107	75 - 120	12.243	12.252	-0.0090	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.931	6.93	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.422	7.422	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.626	9.635	-0.0090	+/-1.000	
Blank (2B20006-BLK1) ug/L				Lab File ID: 0220BLK1.D		Analyzed: 02/20/12 09:20		
Bromofluorobenzene	30.00	101	75 - 120	12.252	12.252	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.422	7.422	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.626	9.635	-0.0090	+/-1.000	
GW8175-TB (1202096-07) ug/L				Lab File ID: 0209607.D		Analyzed: 02/20/12 09:48		
Bromofluorobenzene	30.00	104	75 - 120	12.249	12.252	-0.0030	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.927	6.93	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.419	7.422	-0.0030	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.632	9.635	-0.0030	+/-1.000	
GW8177-TB (1202116-13) ug/L				Lab File ID: 0211613.D		Analyzed: 02/20/12 10:16		
Bromofluorobenzene	30.00	103	75 - 120	12.252	12.252	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.422	7.422	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.626	9.635	-0.0090	+/-1.000	
GW8176-TB (1202099-05) ug/L				Lab File ID: 0209905.D		Analyzed: 02/20/12 11:13		
Bromofluorobenzene	30.00	99.6	75 - 120	12.243	12.252	-0.0090	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.931	6.93	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.423	7.422	0.0010	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.626	9.635	-0.0090	+/-1.000	
GW0443 (1202084-09RE1) ug/L				Lab File ID: 0208409R.D		Analyzed: 02/20/12 11:41		
Bromofluorobenzene	30.00	104	75 - 120	12.252	12.252	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.422	7.422	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.635	9.635	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05208	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0480 (1202084-11RE1) ug/L				Lab File ID: 0208411R.D		Analyzed: 02/20/12 12:09		
Bromofluorobenzene	30.00	98.5	75 - 120	12.248	12.252	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.936	6.93	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.428	7.422	0.0060	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.631	9.635	-0.0040	+/-1.000	
GW0471 (1202116-09) ug/L				Lab File ID: 0211609.D		Analyzed: 02/20/12 12:38		
Bromofluorobenzene	30.00	101	75 - 120	12.244	12.252	-0.0080	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.932	6.93	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.424	7.422	0.0020	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.637	9.635	0.0020	+/-1.000	
GW0391 (1202096-01) ug/L				Lab File ID: 0209601.D		Analyzed: 02/20/12 13:06		
Bromofluorobenzene	30.00	98.7	75 - 120	12.248	12.252	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.935	6.93	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.427	7.422	0.0050	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.631	9.635	-0.0040	+/-1.000	
GW0412 (1202096-03) ug/L				Lab File ID: 0209603.D		Analyzed: 02/20/12 13:34		
Bromofluorobenzene	30.00	103	75 - 120	12.249	12.252	-0.0030	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.936	6.93	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.428	7.422	0.0060	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.632	9.635	-0.0030	+/-1.000	
GW0414 (1202096-05) ug/L				Lab File ID: 0209605.D		Analyzed: 02/20/12 14:03		
Bromofluorobenzene	30.00	103	75 - 120	12.252	12.252	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.432	7.422	0.0100	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.636	9.635	0.0010	+/-1.000	
GW0394 (1202099-01) ug/L				Lab File ID: 0209901.D		Analyzed: 02/20/12 14:31		
Bromofluorobenzene	30.00	103	75 - 120	12.252	12.252	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.432	7.422	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.635	9.635	0.0000	+/-1.000	
GW0413 (1202099-03) ug/L				Lab File ID: 0209903.D		Analyzed: 02/20/12 14:59		
Bromofluorobenzene	30.00	104	75 - 120	12.248	12.252	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.935	6.93	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.427	7.422	0.0050	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.631	9.635	-0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05208	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0431 (1202116-01) ug/L				Lab File ID: 0211601.D		Analyzed: 02/20/12 15:27		
Bromofluorobenzene	30.00	102	75 - 120	12.248	12.252	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.935	6.93	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.427	7.422	0.0050	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.631	9.635	-0.0040	+/-1.000	
GW0432 (1202116-03) ug/L				Lab File ID: 0211603.D		Analyzed: 02/20/12 15:56		
Bromofluorobenzene	30.00	106	75 - 120	12.253	12.252	0.0010	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.931	6.93	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.433	7.422	0.0110	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.636	9.635	0.0010	+/-1.000	
GW0433 (1202116-05) ug/L				Lab File ID: 0211605.D		Analyzed: 02/20/12 16:24		
Bromofluorobenzene	30.00	96.9	75 - 120	12.253	12.252	0.0010	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	112	70 - 120	7.432	7.422	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.636	9.635	0.0010	+/-1.000	
GW0447 (1202116-07) ug/L				Lab File ID: 0211607.D		Analyzed: 02/20/12 16:52		
Bromofluorobenzene	30.00	99.6	75 - 120	12.248	12.252	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.935	6.93	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.427	7.422	0.0050	+/-1.000	
Toluene-d8	30.00	98.4	85 - 120	9.641	9.635	0.0060	+/-1.000	
GW0481 (1202116-11) ug/L				Lab File ID: 0211611.D		Analyzed: 02/20/12 17:20		
Bromofluorobenzene	30.00	103	75 - 120	12.248	12.252	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.936	6.93	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.428	7.422	0.0060	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.632	9.635	-0.0030	+/-1.000	
LCS Dup (2B20006-BSD1) ug/L				Lab File ID: 0220LCD1.D		Analyzed: 02/20/12 18:17		
Bromofluorobenzene	30.00	109	75 - 120	12.258	12.252	0.0060	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.936	6.93	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.437	7.422	0.0150	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.641	9.635	0.0060	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05304	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05304-CCV1) ug/L				Lab File ID: 0221CCV1.D		Analyzed: 02/21/12 08:24		
Bromofluorobenzene	30.00	112	80 - 120	12.259	12.259	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	80 - 120	6.947	6.947	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	80 - 120	7.439	7.439	0.0000	+/-1.000	
Toluene-d8	30.00	106	80 - 120	9.642	9.642	0.0000	+/-1.000	
LCS (2B21013-BS1) ug/L				Lab File ID: 0221LCS1.D		Analyzed: 02/21/12 08:52		
Bromofluorobenzene	30.00	109	75 - 120	12.262	12.259	0.0030	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.947	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.442	7.439	0.0030	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.645	9.642	0.0030	+/-1.000	
Blank (2B21013-BLK1) ug/L				Lab File ID: 0221BLK1.D		Analyzed: 02/21/12 10:17		
Bromofluorobenzene	30.00	102	75 - 120	12.258	12.259	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.945	6.947	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.437	7.439	-0.0020	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.641	9.642	-0.0010	+/-1.000	
GW8178-TB (1202127-11) ug/L				Lab File ID: 0212711.D		Analyzed: 02/21/12 11:42		
Bromofluorobenzene	30.00	103	75 - 120	12.255	12.259	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.942	6.947	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.434	7.439	-0.0050	+/-1.000	
Toluene-d8	30.00	99.0	85 - 120	9.638	9.642	-0.0040	+/-1.000	
GW0434 (1202127-01) ug/L				Lab File ID: 0212701.D		Analyzed: 02/21/12 13:07		
Bromofluorobenzene	30.00	103	75 - 120	12.257	12.259	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.945	6.947	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.437	7.439	-0.0020	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.642	-0.0020	+/-1.000	
GW0470 (1202127-09) ug/L				Lab File ID: 0212709.D		Analyzed: 02/21/12 13:35		
Bromofluorobenzene	30.00	105	75 - 120	12.258	12.259	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.946	6.947	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	117	70 - 120	7.437	7.439	-0.0020	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.641	9.642	-0.0010	+/-1.000	
GW0469 (1202127-07) ug/L				Lab File ID: 0212707.D		Analyzed: 02/21/12 15:56		
Bromofluorobenzene	30.00	98.9	75 - 120	12.263	12.259	0.0040	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.951	6.947	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.443	7.439	0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.646	9.642	0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05304	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike (2B21013-MS1) ug/L				Lab File ID: 0212709M.D		Analyzed: 02/21/12 18:17		
Bromofluorobenzene	30.00	106	75 - 120	12.262	12.259	0.0030	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.95	6.947	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.442	7.439	0.0030	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.645	9.642	0.0030	+/-1.000	
Matrix Spike Dup (2B21013-MSD1) ug/L				Lab File ID: 0212709S.D		Analyzed: 02/21/12 18:46		
Bromofluorobenzene	30.00	101	75 - 120	12.262	12.259	0.0030	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.947	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.442	7.439	0.0030	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.646	9.642	0.0040	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05502	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05502-CCV1) ug/L				Lab File ID: 0223CCV1.D		Analyzed: 02/23/12 12:19		
Bromofluorobenzene	30.00	108	80 - 120	12.276	12.276	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	80 - 120	6.973	6.973	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	80 - 120	7.465	7.465	0.0000	+/-1.000	
Toluene-d8	30.00	109	80 - 120	9.669	9.669	0.0000	+/-1.000	
LCS (2B23009-BS1) ug/L				Lab File ID: 0223LCS1.D		Analyzed: 02/23/12 12:54		
Bromofluorobenzene	30.00	105	75 - 120	12.279	12.276	0.0030	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.966	6.973	-0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	70 - 120	7.458	7.465	-0.0070	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.662	9.669	-0.0070	+/-1.000	
Blank (2B23009-BLK1) ug/L				Lab File ID: 0223BLK1.D		Analyzed: 02/23/12 14:19		
Bromofluorobenzene	30.00	101	75 - 120	12.286	12.276	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.973	6.973	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.465	7.465	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.669	9.669	0.0000	+/-1.000	
GW0446 (1202127-05RE1) ug/L				Lab File ID: 0212705.D		Analyzed: 02/23/12 16:11		
Bromofluorobenzene	30.00	103	75 - 120	12.283	12.276	0.0070	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.97	6.973	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	113	70 - 120	7.462	7.465	-0.0030	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.666	9.669	-0.0030	+/-1.000	
GW0445 (1202127-03RE1) ug/L				Lab File ID: 0212703D.D		Analyzed: 02/23/12 19:01		
Bromofluorobenzene	30.00	100	75 - 120	12.283	12.276	0.0070	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.97	6.973	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.462	7.465	-0.0030	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.666	9.669	-0.0030	+/-1.000	
LCS Dup (2B23009-BSD1) ug/L				Lab File ID: 0223LCD1.D		Analyzed: 02/23/12 23:14		
Bromofluorobenzene	30.00	106	75 - 120	12.281	12.276	0.0050	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.969	6.973	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	111	70 - 120	7.461	7.465	-0.0040	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.664	9.669	-0.0050	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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_044
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_044
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

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20006	Laboratory ID:	2B20006-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	100	100	40 - 140
Benzene	50.00	54.2	108	80 - 120
Bromobenzene	50.00	52.6	105	75 - 125
Bromochloromethane	50.00	56.9	114	65 - 130
Bromodichloromethane	50.00	52.6	105	75 - 120
Bromoform	50.00	58.1	116	70 - 130
Bromomethane	50.00	61.3	123	30 - 145
n-Butylbenzene	50.00	52.7	105	70 - 135
2-Butanone	100.0	92.2	92.2	30 - 150
sec-Butylbenzene	50.00	51.8	104	70 - 125
tert-Butylbenzene	50.00	51.9	104	70 - 130
Carbon disulfide	50.00	44.1	88.2	35 - 160
Carbon tetrachloride	50.00	55.7	111	65 - 140
Chlorobenzene	50.00	51.3	103	80 - 120
Chloroethane	50.00	60.5	121	60 - 135
Chloroform	50.00	50.0	100	65 - 135
Chloromethane	50.00	48.2	96.4	40 - 125
2-Chlorotoluene	50.00	49.8	99.7	75 - 125
4-Chlorotoluene	50.00	50.0	100	75 - 130
Dibromochloromethane	50.00	53.5	107	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.6	97.1	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.2	102	80 - 120
Dibromomethane	50.00	53.2	106	75 - 125
1,2-Dichlorobenzene	50.00	51.1	102	70 - 120
1,3-Dichlorobenzene	50.00	50.2	100	75 - 125
1,4-Dichlorobenzene	50.00	52.7	105	75 - 125
Dichlorodifluoromethane	50.00	54.8	110	30 - 155
1,1-Dichloroethane	50.00	52.3	105	70 - 135
1,2-Dichloroethane	50.00	50.3	101	70 - 130
1,1-Dichloroethene	50.00	50.8	102	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20006	Laboratory ID:	2B20006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	52.6	105	70 - 125
trans-1,2-Dichloroethene	50.00	54.0	108	60 - 140
1,2-Dichloropropane	50.00	52.5	105	75 - 125
1,3-Dichloropropane	50.00	52.3	105	75 - 125
2,2-Dichloropropane	50.00	52.7	105	70 - 135
1,1-Dichloropropene	50.00	53.0	106	75 - 130
cis-1,3-Dichloropropene	50.00	56.0	112	70 - 130
trans-1,3-Dichloropropene	50.00	44.5	89.0	55 - 140
Ethylbenzene	50.00	51.1	102	75 - 125
Hexachlorobutadiene	50.00	48.3	96.6	50 - 140
2-Hexanone	100.0	95.2	95.2	55 - 130
Isopropylbenzene	50.00	48.9	97.8	75 - 125
p-Isopropyltoluene	50.00	47.8	95.6	75 - 130
Methylene chloride	50.00	51.7	103	55 - 140
Naphthalene	50.00	45.9	91.8	55 - 140
4-Methyl-2-pentanone	100.0	97.1	97.1	60 - 135
Methyl t-Butyl Ether	50.00	50.0	100	65 - 125
n-Propylbenzene	50.00	51.0	102	70 - 130
Styrene	50.00	52.5	105	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.2	100	65 - 130
1,1,1,2-Tetrachloroethane	50.00	56.1	112	80 - 130
Tetrachloroethene	50.00	53.9	108	45 - 150
Toluene	50.00	51.0	102	75 - 120
1,2,3-Trichlorobenzene	50.00	46.2	92.3	55 - 140
1,2,4-Trichlorobenzene	50.00	51.1	102	65 - 135
1,1,2-Trichloroethane	50.00	53.3	107	75 - 125
1,1,1-Trichloroethane	50.00	53.9	108	65 - 130
Trichloroethene	50.00	55.2	110	70 - 125
Trichlorofluoromethane	50.00	55.1	110	60 - 145
1,2,3-Trichloropropane	50.00	50.5	101	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20006	Laboratory ID:	2B20006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	51.5	103	75 - 130
1,2,4-Trimethylbenzene	50.00	52.3	105	75 - 130
Vinyl chloride	50.00	63.3	127	50 - 145
Xylenes (total)	150.0	148	98.9	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	104	104	3.74	30	40 - 140
Benzene	50.00	52.7	105	2.73	30	80 - 120
Bromobenzene	50.00	52.1	104	1.07	30	75 - 125
Bromochloromethane	50.00	57.1	114	0.447	30	65 - 130
Bromodichloromethane	50.00	54.7	109	3.90	30	75 - 120
Bromoform	50.00	58.2	116	0.0630	30	70 - 130
Bromomethane	50.00	55.3	111	10.2	30	30 - 145
n-Butylbenzene	50.00	49.8	99.6	5.72	30	70 - 135
2-Butanone	100.0	95.1	95.1	3.08	30	30 - 150
sec-Butylbenzene	50.00	48.9	97.8	5.80	30	70 - 125
tert-Butylbenzene	50.00	51.7	103	0.340	30	70 - 130
Carbon disulfide	50.00	43.6	87.1	1.20	30	35 - 160
Carbon tetrachloride	50.00	58.4	117	4.74	30	65 - 140
Chlorobenzene	50.00	50.9	102	0.674	30	80 - 120
Chloroethane	50.00	54.4	109	10.6	30	60 - 135
Chloroform	50.00	51.8	104	3.36	30	65 - 135
Chloromethane	50.00	46.7	93.4	3.10	30	40 - 125
2-Chlorotoluene	50.00	48.3	96.6	3.10	30	75 - 125
4-Chlorotoluene	50.00	48.6	97.1	2.96	30	75 - 130
Dibromochloromethane	50.00	55.1	110	2.93	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.6	95.2	2.01	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	52.1	104	1.69	30	80 - 120
Dibromomethane	50.00	53.8	108	1.11	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20006	Laboratory ID:	2B20006-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	50.7	101	0.718	30	70 - 120
1,3-Dichlorobenzene	50.00	50.2	100	0.00379	30	75 - 125
1,4-Dichlorobenzene	50.00	51.7	103	1.92	30	75 - 125
Dichlorodifluoromethane	50.00	55.8	112	1.93	30	30 - 155
1,1-Dichloroethane	50.00	54.2	108	3.60	30	70 - 135
1,2-Dichloroethane	50.00	55.2	110	9.33	30	70 - 130
1,1-Dichloroethene	50.00	49.8	99.5	2.17	30	70 - 130
cis-1,2-Dichloroethene	50.00	53.5	107	1.65	30	70 - 125
trans-1,2-Dichloroethene	50.00	53.5	107	0.848	30	60 - 140
1,2-Dichloropropane	50.00	54.8	110	4.25	30	75 - 125
1,3-Dichloropropane	50.00	53.2	106	1.75	30	75 - 125
2,2-Dichloropropane	50.00	46.4	92.8	12.7	30	70 - 135
1,1-Dichloropropene	50.00	53.8	108	1.52	30	75 - 130
cis-1,3-Dichloropropene	50.00	56.1	112	0.220	30	70 - 130
trans-1,3-Dichloropropene	50.00	44.3	88.7	0.373	30	55 - 140
Ethylbenzene	50.00	51.7	103	1.24	30	75 - 125
Hexachlorobutadiene	50.00	36.9	73.7	26.8	30	50 - 140
2-Hexanone	100.0	97.5	97.5	2.40	30	55 - 130
Isopropylbenzene	50.00	48.9	97.9	0.0294	30	75 - 125
p-Isopropyltoluene	50.00	47.4	94.8	0.850	30	75 - 130
Methylene chloride	50.00	51.9	104	0.383	30	55 - 140
Naphthalene	50.00	39.2	78.4	15.7	30	55 - 140
4-Methyl-2-pentanone	100.0	105	105	7.92	30	60 - 135
Methyl t-Butyl Ether	50.00	50.8	102	1.48	30	65 - 125
n-Propylbenzene	50.00	50.8	102	0.400	30	70 - 130
Styrene	50.00	50.5	101	3.85	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.6	99.2	1.21	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	56.4	113	0.543	30	80 - 130
Tetrachloroethene	50.00	52.3	105	3.05	30	45 - 150
Toluene	50.00	50.1	100	1.75	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20006	Laboratory ID:	2B20006-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	38.8	77.6	17.4	30	55 - 140
1,2,4-Trichlorobenzene	50.00	45.3	90.6	12.0	30	65 - 135
1,1,2-Trichloroethane	50.00	53.8	108	0.854	30	75 - 125
1,1,1-Trichloroethane	50.00	55.6	111	3.12	30	65 - 130
Trichloroethene	50.00	56.5	113	2.34	30	70 - 125
Trichlorofluoromethane	50.00	58.0	116	5.23	30	60 - 145
1,2,3-Trichloropropane	50.00	55.1	110	8.70	30	75 - 125
1,3,5-Trimethylbenzene	50.00	51.3	103	0.291	30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.7	103	1.11	30	75 - 130
Vinyl chloride	50.00	62.7	125	0.982	30	50 - 145
Xylenes (total)	150.0	152	101	2.20	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21013	Laboratory ID:	2B21013-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	96.4	96.4	40 - 140
Benzene	50.00	48.9	97.7	80 - 120
Bromobenzene	50.00	47.9	95.7	75 - 125
Bromochloromethane	50.00	52.3	105	65 - 130
Bromodichloromethane	50.00	48.4	96.8	75 - 120
Bromoform	50.00	52.8	106	70 - 130
Bromomethane	50.00	52.9	106	30 - 145
n-Butylbenzene	50.00	47.1	94.2	70 - 135
2-Butanone	100.0	91.6	91.6	30 - 150
sec-Butylbenzene	50.00	44.8	89.7	70 - 125
tert-Butylbenzene	50.00	46.4	92.8	70 - 130
Carbon disulfide	50.00	40.4	80.9	35 - 160
Carbon tetrachloride	50.00	51.9	104	65 - 140
Chlorobenzene	50.00	46.8	93.6	80 - 120
Chloroethane	50.00	54.7	109	60 - 135
Chloroform	50.00	45.9	91.8	65 - 135
Chloromethane	50.00	39.4	78.9	40 - 125
2-Chlorotoluene	50.00	45.1	90.2	75 - 125
4-Chlorotoluene	50.00	45.5	91.0	75 - 130
Dibromochloromethane	50.00	50.1	100	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.5	89.0	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.3	96.5	80 - 120
Dibromomethane	50.00	48.7	97.3	75 - 125
1,2-Dichlorobenzene	50.00	47.2	94.4	70 - 120
1,3-Dichlorobenzene	50.00	46.4	92.7	75 - 125
1,4-Dichlorobenzene	50.00	48.1	96.1	75 - 125
Dichlorodifluoromethane	50.00	50.5	101	30 - 155
1,1-Dichloroethane	50.00	48.7	97.4	70 - 135
1,2-Dichloroethane	50.00	48.1	96.1	70 - 130
1,1-Dichloroethene	50.00	46.2	92.5	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21013	Laboratory ID:	2B21013-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	49.0	98.1	70 - 125
trans-1,2-Dichloroethene	50.00	48.8	97.6	60 - 140
1,2-Dichloropropane	50.00	51.5	103	75 - 125
1,3-Dichloropropane	50.00	46.8	93.7	75 - 125
2,2-Dichloropropane	50.00	48.6	97.3	70 - 135
1,1-Dichloropropene	50.00	48.8	97.6	75 - 130
cis-1,3-Dichloropropene	50.00	50.9	102	70 - 130
trans-1,3-Dichloropropene	50.00	42.1	84.3	55 - 140
Ethylbenzene	50.00	48.4	96.9	75 - 125
Hexachlorobutadiene	50.00	40.3	80.6	50 - 140
2-Hexanone	100.0	91.2	91.2	55 - 130
Isopropylbenzene	50.00	46.3	92.7	75 - 125
p-Isopropyltoluene	50.00	44.3	88.6	75 - 130
Methylene chloride	50.00	48.3	96.6	55 - 140
Naphthalene	50.00	41.3	82.5	55 - 140
4-Methyl-2-pentanone	100.0	96.5	96.5	60 - 135
Methyl t-Butyl Ether	50.00	45.7	91.3	65 - 125
n-Propylbenzene	50.00	46.2	92.4	70 - 130
Styrene	50.00	47.9	95.9	65 - 135
1,1,2,2-Tetrachloroethane	50.00	44.8	89.6	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.5	103	80 - 130
Tetrachloroethene	50.00	48.6	97.2	45 - 150
Toluene	50.00	47.3	94.6	75 - 120
1,2,3-Trichlorobenzene	50.00	41.1	82.1	55 - 140
1,2,4-Trichlorobenzene	50.00	45.3	90.7	65 - 135
1,1,2-Trichloroethane	50.00	49.4	98.8	75 - 125
1,1,1-Trichloroethane	50.00	48.1	96.3	65 - 130
Trichloroethene	50.00	50.1	100	70 - 125
Trichlorofluoromethane	50.00	51.8	104	60 - 145
1,2,3-Trichloropropane	50.00	47.8	95.7	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21013	Laboratory ID:	2B21013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	47.2	94.4	75 - 130
1,2,4-Trimethylbenzene	50.00	46.6	93.2	75 - 130
Vinyl chloride	50.00	58.5	117	50 - 145
Xylenes (total)	150.0	141	94.0	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23009	Laboratory ID:	2B23009-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	102	102	40 - 140
Benzene	50.00	51.5	103	80 - 120
Bromobenzene	50.00	50.3	101	75 - 125
Bromochloromethane	50.00	53.3	107	65 - 130
Bromodichloromethane	50.00	48.6	97.3	75 - 120
Bromoform	50.00	55.4	111	70 - 130
Bromomethane	50.00	50.0	100	30 - 145
n-Butylbenzene	50.00	47.8	95.6	70 - 135
2-Butanone	100.0	93.2	93.2	30 - 150
sec-Butylbenzene	50.00	47.5	95.1	70 - 125
tert-Butylbenzene	50.00	49.1	98.2	70 - 130
Carbon disulfide	50.00	44.7	89.4	35 - 160
Carbon tetrachloride	50.00	53.5	107	65 - 140
Chlorobenzene	50.00	49.8	99.5	80 - 120
Chloroethane	50.00	57.4	115	60 - 135
Chloroform	50.00	46.7	93.5	65 - 135
Chloromethane	50.00	49.9	99.8	40 - 125
2-Chlorotoluene	50.00	47.6	95.3	75 - 125
4-Chlorotoluene	50.00	46.9	93.8	75 - 130
Dibromochloromethane	50.00	50.2	100	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.9	99.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.4	98.8	80 - 120
Dibromomethane	50.00	49.8	99.7	75 - 125
1,2-Dichlorobenzene	50.00	49.3	98.7	70 - 120
1,3-Dichlorobenzene	50.00	49.7	99.5	75 - 125
1,4-Dichlorobenzene	50.00	48.1	96.2	75 - 125
Dichlorodifluoromethane	50.00	48.3	96.6	30 - 155
1,1-Dichloroethane	50.00	49.9	99.8	70 - 135
1,2-Dichloroethane	50.00	46.9	93.7	70 - 130
1,1-Dichloroethene	50.00	49.8	99.7	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23009	Laboratory ID:	2B23009-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	49.6	99.1	70 - 125
trans-1,2-Dichloroethene	50.00	52.4	105	60 - 140
1,2-Dichloropropane	50.00	49.7	99.4	75 - 125
1,3-Dichloropropane	50.00	49.2	98.5	75 - 125
2,2-Dichloropropane	50.00	46.9	93.7	70 - 135
1,1-Dichloropropene	50.00	50.8	102	75 - 130
cis-1,3-Dichloropropene	50.00	50.7	101	70 - 130
trans-1,3-Dichloropropene	50.00	41.5	83.0	55 - 140
Ethylbenzene	50.00	50.0	99.9	75 - 125
Hexachlorobutadiene	50.00	43.1	86.2	50 - 140
2-Hexanone	100.0	94.9	94.9	55 - 130
Isopropylbenzene	50.00	47.5	95.0	75 - 125
p-Isopropyltoluene	50.00	46.4	92.8	75 - 130
Methylene chloride	50.00	50.0	100	55 - 140
Naphthalene	50.00	48.8	97.7	55 - 140
4-Methyl-2-pentanone	100.0	96.8	96.8	60 - 135
Methyl t-Butyl Ether	50.00	47.6	95.2	65 - 125
n-Propylbenzene	50.00	47.7	95.4	70 - 130
Styrene	50.00	50.2	100	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.1	100	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.2	104	80 - 130
Tetrachloroethene	50.00	50.9	102	45 - 150
Toluene	50.00	47.7	95.3	75 - 120
1,2,3-Trichlorobenzene	50.00	45.2	90.5	55 - 140
1,2,4-Trichlorobenzene	50.00	46.8	93.6	65 - 135
1,1,2-Trichloroethane	50.00	49.8	99.7	75 - 125
1,1,1-Trichloroethane	50.00	49.8	99.6	65 - 130
Trichloroethene	50.00	51.3	103	70 - 125
Trichlorofluoromethane	50.00	52.5	105	60 - 145
1,2,3-Trichloropropane	50.00	50.4	101	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23009	Laboratory ID:	2B23009-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	49.4	98.9	75 - 130
1,2,4-Trimethylbenzene	50.00	49.2	98.5	75 - 130
Vinyl chloride	50.00	59.1	118	50 - 145
Xylenes (total)	150.0	144	96.1	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	98.8	98.8	2.75	30	40 - 140
Benzene	50.00	52.3	105	1.56	30	80 - 120
Bromobenzene	50.00	51.6	103	2.40	30	75 - 125
Bromochloromethane	50.00	55.9	112	4.68	30	65 - 130
Bromodichloromethane	50.00	49.5	99.0	1.80	30	75 - 120
Bromoform	50.00	54.7	109	1.16	30	70 - 130
Bromomethane	50.00	54.5	109	8.71	30	30 - 145
n-Butylbenzene	50.00	45.8	91.7	4.18	30	70 - 135
2-Butanone	100.0	88.6	88.6	5.06	30	30 - 150
sec-Butylbenzene	50.00	47.7	95.3	0.248	30	70 - 125
tert-Butylbenzene	50.00	47.4	94.9	3.47	30	70 - 130
Carbon disulfide	50.00	45.3	90.5	1.26	30	35 - 160
Carbon tetrachloride	50.00	54.3	109	1.38	30	65 - 140
Chlorobenzene	50.00	49.4	98.7	0.810	30	80 - 120
Chloroethane	50.00	59.5	119	3.73	30	60 - 135
Chloroform	50.00	49.1	98.1	4.85	30	65 - 135
Chloromethane	50.00	47.4	94.9	5.10	30	40 - 125
2-Chlorotoluene	50.00	48.7	97.3	2.12	30	75 - 125
4-Chlorotoluene	50.00	47.3	94.6	0.870	30	75 - 130
Dibromochloromethane	50.00	51.5	103	2.52	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.5	95.1	4.86	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.2	100	1.56	30	80 - 120
Dibromomethane	50.00	52.3	105	4.89	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23009	Laboratory ID:	2B23009-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	49.2	98.4	0.242	30	70 - 120
1,3-Dichlorobenzene	50.00	48.6	97.3	2.27	30	75 - 125
1,4-Dichlorobenzene	50.00	50.0	100	3.83	30	75 - 125
Dichlorodifluoromethane	50.00	48.3	96.6	0.0414	30	30 - 155
1,1-Dichloroethane	50.00	52.5	105	5.14	30	70 - 135
1,2-Dichloroethane	50.00	49.4	98.9	5.32	30	70 - 130
1,1-Dichloroethene	50.00	49.6	99.2	0.419	30	70 - 130
cis-1,2-Dichloroethene	50.00	53.1	106	6.82	30	70 - 125
trans-1,2-Dichloroethene	50.00	53.8	108	2.56	30	60 - 140
1,2-Dichloropropane	50.00	51.1	102	2.77	30	75 - 125
1,3-Dichloropropane	50.00	50.3	101	2.17	30	75 - 125
2,2-Dichloropropane	50.00	43.5	86.9	7.55	30	70 - 135
1,1-Dichloropropene	50.00	51.5	103	1.30	30	75 - 130
cis-1,3-Dichloropropene	50.00	53.4	107	5.35	30	70 - 130
trans-1,3-Dichloropropene	50.00	42.0	84.0	1.13	30	55 - 140
Ethylbenzene	50.00	50.3	101	0.654	30	75 - 125
Hexachlorobutadiene	50.00	37.3	74.6	14.5	30	50 - 140
2-Hexanone	100.0	88.9	88.9	6.51	30	55 - 130
Isopropylbenzene	50.00	45.8	91.6	3.61	30	75 - 125
p-Isopropyltoluene	50.00	45.3	90.6	2.39	30	75 - 130
Methylene chloride	50.00	51.6	103	3.19	30	55 - 140
Naphthalene	50.00	43.1	86.1	12.5	30	55 - 140
4-Methyl-2-pentanone	100.0	96.6	96.6	0.211	30	60 - 135
Methyl t-Butyl Ether	50.00	48.6	97.1	1.97	30	65 - 125
n-Propylbenzene	50.00	49.1	98.2	2.80	30	70 - 130
Styrene	50.00	50.2	100	0.0353	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.8	99.7	0.457	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.1	106	1.69	30	80 - 130
Tetrachloroethene	50.00	50.9	102	0.0328	30	45 - 150
Toluene	50.00	49.9	99.8	4.56	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23009	Laboratory ID:	2B23009-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	38.9	77.8	15.1	30	55 - 140
1,2,4-Trichlorobenzene	50.00	41.5	83.1	11.9	30	65 - 135
1,1,2-Trichloroethane	50.00	51.9	104	4.11	30	75 - 125
1,1,1-Trichloroethane	50.00	51.8	104	4.05	30	65 - 130
Trichloroethene	50.00	53.3	107	3.79	30	70 - 125
Trichlorofluoromethane	50.00	55.2	110	4.93	30	60 - 145
1,2,3-Trichloropropane	50.00	51.4	103	1.98	30	75 - 125
1,3,5-Trimethylbenzene	50.00	48.6	97.2	1.66	30	75 - 130
1,2,4-Trimethylbenzene	50.00	48.4	96.8	1.72	30	75 - 130
Vinyl chloride	50.00	60.5	121	2.42	30	50 - 145
Xylenes (total)	150.0	146	97.0	1.02	30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21013

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	5.96	105	98.8		40 - 140
Benzene	50.00	0.333	55.1	110		80 - 120
Bromobenzene	50.00	ND	49.9	99.8		75 - 125
Bromochloromethane	50.00	ND	55.0	110		65 - 130
Bromodichloromethane	50.00	ND	53.7	107		75 - 120
Bromoform	50.00	ND	55.0	110		70 - 130
Bromomethane	50.00	ND	33.6	67.1		30 - 145
n-Butylbenzene	50.00	ND	47.9	95.9		70 - 135
2-Butanone	100.0	ND	85.9	85.9		30 - 150
sec-Butylbenzene	50.00	0.314	46.7	92.7		70 - 125
tert-Butylbenzene	50.00	ND	48.6	97.2		70 - 130
Carbon disulfide	50.00	ND	47.8	95.6		35 - 160
Carbon tetrachloride	50.00	ND	59.9	120		65 - 140
Chlorobenzene	50.00	ND	52.5	105		80 - 120
Chloroethane	50.00	ND	62.3	125		60 - 135
Chloroform	50.00	ND	50.8	102		65 - 135
Chloromethane	50.00	ND	41.5	82.9		40 - 125
2-Chlorotoluene	50.00	ND	49.7	99.4		75 - 125
4-Chlorotoluene	50.00	ND	48.2	96.3		75 - 130
Dibromochloromethane	50.00	ND	52.7	105		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	44.1	88.1		50 - 130
1,2-Dibromoethane (EDB)	50.00	0.735	51.2	101		80 - 120
Dibromomethane	50.00	ND	54.0	108		75 - 125
1,2-Dichlorobenzene	50.00	ND	49.3	98.7		70 - 120
1,3-Dichlorobenzene	50.00	ND	48.5	96.9		75 - 125
1,4-Dichlorobenzene	50.00	ND	49.6	99.2		75 - 125
Dichlorodifluoromethane	50.00	ND	58.4	117		30 - 155
1,1-Dichloroethane	50.00	ND	55.3	111		70 - 135
1,2-Dichloroethane	50.00	1.13	52.9	104		70 - 130
1,1-Dichloroethene	50.00	ND	52.1	104		70 - 130
cis-1,2-Dichloroethene	50.00	ND	54.4	109		70 - 125
trans-1,2-Dichloroethene	50.00	ND	56.7	113		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21013

% Solids:

Source Sample Name: **1202127-09**

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	54.2	108		75 - 125
1,3-Dichloropropane	50.00	ND	49.5	99.1		75 - 125
2,2-Dichloropropane	50.00	ND	50.0	100		70 - 135
1,1-Dichloropropene	50.00	ND	55.4	111		75 - 130
cis-1,3-Dichloropropene	50.00	ND	55.2	110		70 - 130
trans-1,3-Dichloropropene	50.00	ND	43.0	86.1		55 - 140
Ethylbenzene	50.00	ND	51.3	103		75 - 125
Hexachlorobutadiene	50.00	ND	30.0	60.0		50 - 140
2-Hexanone	100.0	ND	83.9	83.9		55 - 130
Isopropylbenzene	50.00	3.79	51.7	95.8		75 - 125
p-Isopropyltoluene	50.00	ND	47.5	95.1		75 - 130
Methylene chloride	50.00	ND	51.6	103		55 - 140
Naphthalene	50.00	ND	33.1	66.3		55 - 140
4-Methyl-2-pentanone	100.0	ND	91.7	91.7		60 - 135
Methyl t-Butyl Ether	50.00	ND	48.9	97.7		65 - 125
n-Propylbenzene	50.00	ND	48.2	96.3		70 - 130
Styrene	50.00	ND	50.1	100		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	48.0	96.0		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	55.8	112		80 - 130
Tetrachloroethene	50.00	ND	53.4	107		45 - 150
Toluene	50.00	ND	50.6	101		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	30.7	61.4		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	38.0	76.0		65 - 135
1,1,2-Trichloroethane	50.00	ND	51.5	103		75 - 125
1,1,1-Trichloroethane	50.00	ND	56.2	112		65 - 130
Trichloroethene	50.00	ND	56.3	113		70 - 125
Trichlorofluoromethane	50.00	ND	59.9	120		60 - 145
1,2,3-Trichloropropane	50.00	ND	48.9	97.8		75 - 125
1,3,5-Trimethylbenzene	50.00	1.45	51.4	100		75 - 130
1,2,4-Trimethylbenzene	50.00	0.798	48.3	95.0		75 - 130
Vinyl chloride	50.00	ND	66.8	134		50 - 145
Xylenes (total)	150.0	2.51	151	99.1		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21013

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	97.1	91.2	7.61		30	40 - 140
Benzene	50.00	53.3	106	3.27		30	80 - 120
Bromobenzene	50.00	52.0	104	4.15		30	75 - 125
Bromochloromethane	50.00	53.9	108	2.00		30	65 - 130
Bromodichloromethane	50.00	51.2	102	4.89		30	75 - 120
Bromoform	50.00	55.1	110	0.185		30	70 - 130
Bromomethane	50.00	42.9	85.7	24.3		30	30 - 145
n-Butylbenzene	50.00	47.0	93.9	2.03		30	70 - 135
2-Butanone	100.0	84.8	84.8	1.29		30	30 - 150
sec-Butylbenzene	50.00	49.7	98.8	6.31		30	70 - 125
tert-Butylbenzene	50.00	49.3	98.6	1.49		30	70 - 130
Carbon disulfide	50.00	44.6	89.2	6.96		30	35 - 160
Carbon tetrachloride	50.00	56.7	113	5.49		30	65 - 140
Chlorobenzene	50.00	50.6	101	3.57		30	80 - 120
Chloroethane	50.00	59.3	119	4.83		30	60 - 135
Chloroform	50.00	48.3	96.6	5.06		30	65 - 135
Chloromethane	50.00	37.9	75.8	8.96		30	40 - 125
2-Chlorotoluene	50.00	50.3	101	1.27		30	75 - 125
4-Chlorotoluene	50.00	50.3	101	4.22		30	75 - 130
Dibromochloromethane	50.00	51.8	104	1.72		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.6	89.1	1.12		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.8	100	0.748		30	80 - 120
Dibromomethane	50.00	50.5	101	6.65		30	75 - 125
1,2-Dichlorobenzene	50.00	49.2	98.4	0.289		30	70 - 120
1,3-Dichlorobenzene	50.00	49.7	99.4	2.48		30	75 - 125
1,4-Dichlorobenzene	50.00	50.0	100	0.732		30	75 - 125
Dichlorodifluoromethane	50.00	54.1	108	7.64		30	30 - 155
1,1-Dichloroethane	50.00	52.2	104	5.81		30	70 - 135
1,2-Dichloroethane	50.00	50.8	99.4	4.09		30	70 - 130
1,1-Dichloroethene	50.00	48.2	96.3	7.76		30	70 - 130
cis-1,2-Dichloroethene	50.00	52.6	105	3.31		30	70 - 125
trans-1,2-Dichloroethene	50.00	53.9	108	5.06		30	60 - 140
1,2-Dichloropropane	50.00	52.2	104	3.65		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21013

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	50.7	101	2.42		30	75 - 125
2,2-Dichloropropane	50.00	46.7	93.4	6.97		30	70 - 135
1,1-Dichloropropene	50.00	51.1	102	8.08		30	75 - 130
cis-1,3-Dichloropropene	50.00	53.6	107	3.03		30	70 - 130
trans-1,3-Dichloropropene	50.00	43.1	86.2	0.164		30	55 - 140
Ethylbenzene	50.00	50.1	100	2.31		30	75 - 125
Hexachlorobutadiene	50.00	36.1	72.3	18.5		30	50 - 140
2-Hexanone	100.0	83.6	83.6	0.290		30	55 - 130
Isopropylbenzene	50.00	50.7	93.8	1.89		30	75 - 125
p-Isopropyltoluene	50.00	47.1	94.2	0.946		30	75 - 130
Methylene chloride	50.00	50.6	101	1.95		30	55 - 140
Naphthalene	50.00	38.7	77.3	15.4		30	55 - 140
4-Methyl-2-pentanone	100.0	92.0	92.0	0.265		30	60 - 135
Methyl t-Butyl Ether	50.00	47.7	95.4	2.37		30	65 - 125
n-Propylbenzene	50.00	51.4	103	6.51		30	70 - 130
Styrene	50.00	51.6	103	3.06		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.9	99.7	3.84		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.6	107	3.97		30	80 - 130
Tetrachloroethene	50.00	52.1	104	2.42		30	45 - 150
Toluene	50.00	50.2	100	0.827		30	75 - 120
1,2,3-Trichlorobenzene	50.00	36.8	73.5	18.0		30	55 - 140
1,2,4-Trichlorobenzene	50.00	41.8	83.6	9.52		30	65 - 135
1,1,2-Trichloroethane	50.00	51.5	103	0.0596		30	75 - 125
1,1,1-Trichloroethane	50.00	53.1	106	5.61		30	65 - 130
Trichloroethene	50.00	55.0	110	2.18		30	70 - 125
Trichlorofluoromethane	50.00	56.5	113	5.87		30	60 - 145
1,2,3-Trichloropropane	50.00	49.3	98.6	0.746		30	75 - 125
1,3,5-Trimethylbenzene	50.00	53.3	104	3.61		30	75 - 130
1,2,4-Trimethylbenzene	50.00	50.1	98.5	3.53		30	75 - 130
Vinyl chloride	50.00	64.6	129	3.35		30	50 - 145
Xylenes (total)	150.0	148	96.8	2.32		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/16/12 00:00	5.00	5.00
GW0415	1202084-03	02/16/12 00:00	5.00	5.00
GW0441	1202084-05	02/16/12 00:00	5.00	5.00
GW0442	1202084-07	02/16/12 00:00	5.00	5.00
GW8174-TB	1202084-13	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

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B20006 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0443	1202084-09RE1	02/20/12 00:00	5.00	5.00
GW0480	1202084-11RE1	02/20/12 00:00	5.00	5.00
GW0391	1202096-01	02/20/12 00:00	5.00	5.00
GW0412	1202096-03	02/20/12 00:00	5.00	5.00
GW0414	1202096-05	02/20/12 00:00	5.00	5.00
GW8175-TB	1202096-07	02/20/12 00:00	5.00	5.00
GW0394	1202099-01	02/20/12 00:00	5.00	5.00
GW0413	1202099-03	02/20/12 00:00	5.00	5.00
GW8176-TB	1202099-05	02/20/12 00:00	5.00	5.00
GW0431	1202116-01	02/20/12 00:00	5.00	5.00
GW0432	1202116-03	02/20/12 00:00	5.00	5.00
GW0433	1202116-05	02/20/12 00:00	5.00	5.00
GW0447	1202116-07	02/20/12 00:00	5.00	5.00
GW0471	1202116-09	02/20/12 00:00	5.00	5.00
GW0481	1202116-11	02/20/12 00:00	5.00	5.00
GW8177-TB	1202116-13	02/20/12 00:00	5.00	5.00
Blank	2B20006-BLK1	02/20/12 00:00	5.00	5.00
LCS	2B20006-BS1	02/20/12 00:00	5.00	5.00
LCS Dup	2B20006-BSD1	02/20/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B21013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0434	1202127-01	02/21/12 00:00	5.00	5.00
GW0469	1202127-07	02/21/12 00:00	5.00	5.00
GW0470	1202127-09	02/21/12 00:00	5.00	5.00
GW8178-TB	1202127-11	02/21/12 00:00	5.00	5.00
Blank	2B21013-BLK1	02/21/12 00:00	5.00	5.00
LCS	2B21013-BS1	02/21/12 00:00	5.00	5.00
GW0470	2B21013-MS1	02/21/12 00:00	5.00	5.00
GW0470	2B21013-MSD1	02/21/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B23009 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0445	1202127-03RE1	02/23/12 00:00	5.00	5.00
GW0446	1202127-05RE1	02/23/12 00:00	5.00	5.00
Blank	2B23009-BLK1	02/23/12 00:00	5.00	5.00
LCS	2B23009-BS1	02/23/12 00:00	5.00	5.00
LCS Dup	2B23009-BSD1	02/23/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0106TU1.D	Injection Date:	01/06/12
Instrument ID:	MS-VOA4	Injection Time:	07:52
Sequence:	2A00902	Lab Sample ID:	2A00902-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.4	PASS
75	30 - 60% of 95	42.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.54	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	81.6	PASS
175	5 - 9% of 174	8.11	PASS
176	95 - 101% of 174	96	PASS
177	5 - 9% of 176	6.79	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0217TU1.D	Injection Date:	02/20/12
Instrument ID:	MS-VOA4	Injection Time:	06:51
Sequence:	2B05208	Lab Sample ID:	2B05208-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.4	PASS
75	30 - 60% of 95	39.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.4	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	92	PASS
175	5 - 9% of 174	7.62	PASS
176	95 - 101% of 174	98.4	PASS
177	5 - 9% of 176	6.19	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0221TU1.D	Injection Date:	02/21/12
Instrument ID:	MS-VOA4	Injection Time:	07:56
Sequence:	2B05304	Lab Sample ID:	2B05304-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.5	PASS
75	30 - 60% of 95	42.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.69	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	79.4	PASS
175	5 - 9% of 174	7.13	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	7.07	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0223TU1.D	Injection Date:	02/23/12
Instrument ID:	MS-VOA4	Injection Time:	11:51
Sequence:	2B05502	Lab Sample ID:	2B05502-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.4	PASS
75	30 - 60% of 95	47.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.86	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	53.3	PASS
175	5 - 9% of 174	7.92	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	6.14	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A00902	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2A00902-TUN1	0106TU1.D	01/06/12 07:52
Cal Standard	2A00902-CAL1	SEQCAL1.D	01/06/12 08:49
Cal Standard	2A00902-CAL2	SEQCAL2.D	01/06/12 09:17
Cal Standard	2A00902-CAL3	SEQCAL3.D	01/06/12 09:45
Cal Standard	2A00902-CAL4	SEQCAL4.D	01/06/12 10:13
Cal Standard	2A00902-CAL5	SEQCAL5.D	01/06/12 10:42
Cal Standard	2A00902-CAL6	SEQCAL6.D	01/06/12 11:10
Cal Standard	2A00902-CAL7	SEQCAL7.D	01/06/12 11:38
Cal Standard	2A00902-CAL8	SEQCAL8.D	01/06/12 12:06
Cal Standard	2A00902-CAL9	SEQCAL9.D	01/06/12 12:34
Initial Cal Check	2A00902-ICV1	SEQICV1.D	01/06/12 13:31
Initial Cal Check	2A00902-ICV2	SEQICV2.D	01/06/12 13:59

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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
GW8174-TB	1202084-13	0208413.D	02/16/12 11:55
GW0407	1202084-01	0208401.D	02/16/12 15:16
GW0415	1202084-03	0208403.D	02/16/12 15:41
GW0441	1202084-05	0208405.D	02/16/12 16:07
GW0442	1202084-07	0208407.D	02/16/12 16:32
LCS Dup	2B16015-BSD1	0216LCD1.D	02/16/12 18:37

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05208	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05208-TUN1	0217TU1.D	02/20/12 06:51
Calibration Check	2B05208-CCV1	0220CCV1.D	02/20/12 07:19
LCS	2B20006-BS1	0220LCS1.D	02/20/12 07:55
Blank	2B20006-BLK1	0220BLK1.D	02/20/12 09:20
GW8175-TB	1202096-07	0209607.D	02/20/12 09:48
GW8177-TB	1202116-13	0211613.D	02/20/12 10:16
GW8176-TB	1202099-05	0209905.D	02/20/12 11:13
GW0443	1202084-09RE1	0208409R.D	02/20/12 11:41
GW0480	1202084-11RE1	0208411R.D	02/20/12 12:09
GW0471	1202116-09	0211609.D	02/20/12 12:38
GW0391	1202096-01	0209601.D	02/20/12 13:06
GW0412	1202096-03	0209603.D	02/20/12 13:34
GW0414	1202096-05	0209605.D	02/20/12 14:03
GW0394	1202099-01	0209901.D	02/20/12 14:31
GW0413	1202099-03	0209903.D	02/20/12 14:59
GW0431	1202116-01	0211601.D	02/20/12 15:27
GW0432	1202116-03	0211603.D	02/20/12 15:56
GW0433	1202116-05	0211605.D	02/20/12 16:24
GW0447	1202116-07	0211607.D	02/20/12 16:52
GW0481	1202116-11	0211611.D	02/20/12 17:20
LCS Dup	2B20006-BSD1	0220LCD1.D	02/20/12 18:17

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05304	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05304-TUN1	0221TU1.D	02/21/12 07:56
Calibration Check	2B05304-CCV1	0221CCV1.D	02/21/12 08:24
LCS	2B21013-BS1	0221LCS1.D	02/21/12 08:52
Blank	2B21013-BLK1	0221BLK1.D	02/21/12 10:17
GW8178-TB	1202127-11	0212711.D	02/21/12 11:42
GW0434	1202127-01	0212701.D	02/21/12 13:07
GW0470	1202127-09	0212709.D	02/21/12 13:35
GW0469	1202127-07	0212707.D	02/21/12 15:56
GW0470	2B21013-MS1	0212709M.D	02/21/12 18:17
GW0470	2B21013-MSD1	0212709S.D	02/21/12 18:46

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05502	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05502-TUN1	0223TU1.D	02/23/12 11:51
Calibration Check	2B05502-CCV1	0223CCV1.D	02/23/12 12:19
LCS	2B23009-BS1	0223LCS1.D	02/23/12 12:54
Blank	2B23009-BLK1	0223BLK1.D	02/23/12 14:19
GW0446	1202127-05RE1	0212705.D	02/23/12 16:11
GW0445	1202127-03RE1	0212703D.D	02/23/12 19:01
LCS Dup	2B23009-BSD1	0223LCD1.D	02/23/12 23:14

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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	
GW8174-TB (1202084-13)			Lab File ID: 0208413.D			Analyzed: 02/16/12 11:55			
Fluorobenzene	731603	7.87	788916	7.87	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	319177	11	347835	11.01	92	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	181696	13.39	225893	13.4	80	50 - 200	-0.0100	+/-0.50	
GW0407 (1202084-01)			Lab File ID: 0208401.D			Analyzed: 02/16/12 15:16			
Fluorobenzene	630131	7.87	788916	7.87	80	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	283513	11	347835	11.01	82	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	149153	13.39	225893	13.4	66	50 - 200	-0.0100	+/-0.50	
GW0415 (1202084-03)			Lab File ID: 0208403.D			Analyzed: 02/16/12 15:41			
Fluorobenzene	619764	7.87	788916	7.87	79	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	283118	11	347835	11.01	81	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	147844	13.4	225893	13.4	65	50 - 200	0.0000	+/-0.50	
GW0441 (1202084-05)			Lab File ID: 0208405.D			Analyzed: 02/16/12 16:07			
Fluorobenzene	623393	7.86	788916	7.87	79	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	280169	11	347835	11.01	81	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	148725	13.39	225893	13.4	66	50 - 200	-0.0100	+/-0.50	
GW0442 (1202084-07)			Lab File ID: 0208407.D			Analyzed: 02/16/12 16:32			
Fluorobenzene	611193	7.87	788916	7.87	77	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	270772	11	347835	11.01	78	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	143826	13.39	225893	13.4	64	50 - 200	-0.0100	+/-0.50	
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	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05208	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05208-CCV1)			Lab File ID: 0220CCV1.D			Analyzed: 02/20/12 07:19			
Fluorobenzene	1040182	7.953	983262	7.953	106	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	394822	11.052	383879	11.06	103	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	449989	13.452	399760	13.457	113	50 - 200	-0.0050	+/-0.50	
LCS (2B20006-BS1)			Lab File ID: 0220LCS1.D			Analyzed: 02/20/12 07:55			
Fluorobenzene	1068341	7.944	1040182	7.953	103	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	424069	11.052	394822	11.052	107	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	450064	13.453	449989	13.452	100	50 - 200	0.0010	+/-0.50	
Blank (2B20006-BLK1)			Lab File ID: 0220BLK1.D			Analyzed: 02/20/12 09:20			
Fluorobenzene	1022486	7.943	1040182	7.953	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	411067	11.052	394822	11.052	104	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	456642	13.452	449989	13.452	101	50 - 200	0.0000	+/-0.50	
GW8175-TB (1202096-07)			Lab File ID: 0209607.D			Analyzed: 02/20/12 09:48			
Fluorobenzene	1004405	7.95	1040182	7.953	97	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	399175	11.059	394822	11.052	101	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	435341	13.449	449989	13.452	97	50 - 200	-0.0030	+/-0.50	
GW8177-TB (1202116-13)			Lab File ID: 0211613.D			Analyzed: 02/20/12 10:16			
Fluorobenzene	994361	7.943	1040182	7.953	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	403713	11.052	394822	11.052	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	446203	13.452	449989	13.452	99	50 - 200	0.0000	+/-0.50	
GW8176-TB (1202099-05)			Lab File ID: 0209905.D			Analyzed: 02/20/12 11:13			
Fluorobenzene	995752	7.944	1040182	7.953	96	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	403781	11.053	394822	11.052	102	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	430327	13.453	449989	13.452	96	50 - 200	0.0010	+/-0.50	
GW0443 (1202084-09RE1)			Lab File ID: 0208409R.D			Analyzed: 02/20/12 11:41			
Fluorobenzene	1019305	7.943	1040182	7.953	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	396815	11.052	394822	11.052	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	438274	13.452	449989	13.452	97	50 - 200	0.0000	+/-0.50	
GW0480 (1202084-11RE1)			Lab File ID: 0208411R.D			Analyzed: 02/20/12 12:09			
Fluorobenzene	986936	7.949	1040182	7.953	95	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	402082	11.058	394822	11.052	102	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	424046	13.448	449989	13.452	94	50 - 200	-0.0040	+/-0.50	
GW0471 (1202116-09)			Lab File ID: 0211609.D			Analyzed: 02/20/12 12:38			
Fluorobenzene	963106	7.945	1040182	7.953	93	50 - 200	-0.0080	+/-0.50	
Chlorobenzene-d5	384565	11.054	394822	11.052	97	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	422497	13.454	449989	13.452	94	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05208	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0391 (1202096-01)			Lab File ID: 0209601.D			Analyzed: 02/20/12 13:06			
Fluorobenzene	967499	7.949	1040182	7.953	93	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	395122	11.057	394822	11.052	100	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	427315	13.448	449989	13.452	95	50 - 200	-0.0040	+/-0.50	
GW0412 (1202096-03)			Lab File ID: 0209603.D			Analyzed: 02/20/12 13:34			
Fluorobenzene	939356	7.95	1040182	7.953	90	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	387478	11.058	394822	11.052	98	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	423371	13.449	449989	13.452	94	50 - 200	-0.0030	+/-0.50	
GW0414 (1202096-05)			Lab File ID: 0209605.D			Analyzed: 02/20/12 14:03			
Fluorobenzene	957651	7.953	1040182	7.953	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	387149	11.062	394822	11.052	98	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	419017	13.453	449989	13.452	93	50 - 200	0.0010	+/-0.50	
GW0394 (1202099-01)			Lab File ID: 0209901.D			Analyzed: 02/20/12 14:31			
Fluorobenzene	981749	7.953	1040182	7.953	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	396244	11.062	394822	11.052	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	422217	13.452	449989	13.452	94	50 - 200	0.0000	+/-0.50	
GW0413 (1202099-03)			Lab File ID: 0209903.D			Analyzed: 02/20/12 14:59			
Fluorobenzene	958373	7.949	1040182	7.953	92	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	384781	11.057	394822	11.052	97	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	418317	13.458	449989	13.452	93	50 - 200	0.0060	+/-0.50	
GW0431 (1202116-01)			Lab File ID: 0211601.D			Analyzed: 02/20/12 15:27			
Fluorobenzene	971844	7.949	1040182	7.953	93	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	391588	11.057	394822	11.052	99	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	414695	13.458	449989	13.452	92	50 - 200	0.0060	+/-0.50	
GW0432 (1202116-03)			Lab File ID: 0211603.D			Analyzed: 02/20/12 15:56			
Fluorobenzene	947105	7.954	1040182	7.953	91	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	370558	11.063	394822	11.052	94	50 - 200	0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	426298	13.453	449989	13.452	95	50 - 200	0.0010	+/-0.50	
GW0433 (1202116-05)			Lab File ID: 0211605.D			Analyzed: 02/20/12 16:24			
Fluorobenzene	948886	7.954	1040182	7.953	91	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	391382	11.062	394822	11.052	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	422478	13.453	449989	13.452	94	50 - 200	0.0010	+/-0.50	
GW0447 (1202116-07)			Lab File ID: 0211607.D			Analyzed: 02/20/12 16:52			
Fluorobenzene	967261	7.949	1040182	7.953	93	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	393176	11.057	394822	11.052	100	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	416867	13.458	449989	13.452	93	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05208	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0481 (1202116-11)			Lab File ID: 0211611.D			Analyzed: 02/20/12 17:20			
Fluorobenzene	933267	7.949	1040182	7.953	90	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	375285	11.058	394822	11.052	95	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	413058	13.458	449989	13.452	92	50 - 200	0.0060	+/-0.50	
LCS Dup (2B20006-BSD1)			Lab File ID: 0220LCD1.D			Analyzed: 02/20/12 18:17			
Fluorobenzene	937161	7.959	1040182	7.953	90	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	377680	11.067	394822	11.052	96	50 - 200	0.0150	+/-0.50	
1,4-Dichlorobenzene-d4	414090	13.458	449989	13.452	92	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05304	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05304-CCV1)			Lab File ID: 0221CCV1.D			Analyzed: 02/21/12 08:24			
Fluorobenzene	956337	7.96	983262	7.953	97	50 - 200	0.0070	+/-0.50	
Chlorobenzene-d5	386367	11.069	383879	11.06	101	50 - 200	0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	413338	13.459	399760	13.457	103	50 - 200	0.0020	+/-0.50	
LCS (2B21013-BS1)			Lab File ID: 0221LCS1.D			Analyzed: 02/21/12 08:52			
Fluorobenzene	985450	7.963	956337	7.96	103	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	386384	11.062	386367	11.069	100	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	420779	13.462	413338	13.459	102	50 - 200	0.0030	+/-0.50	
Blank (2B21013-BLK1)			Lab File ID: 0221BLK1.D			Analyzed: 02/21/12 10:17			
Fluorobenzene	958947	7.959	956337	7.96	100	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	382245	11.067	386367	11.069	99	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	421789	13.458	413338	13.459	102	50 - 200	-0.0010	+/-0.50	
GW8178-TB (1202127-11)			Lab File ID: 0212711.D			Analyzed: 02/21/12 11:42			
Fluorobenzene	937054	7.956	956337	7.96	98	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	371756	11.064	386367	11.069	96	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	405543	13.465	413338	13.459	98	50 - 200	0.0060	+/-0.50	
GW0434 (1202127-01)			Lab File ID: 0212701.D			Analyzed: 02/21/12 13:07			
Fluorobenzene	918393	7.958	956337	7.96	96	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	366118	11.067	386367	11.069	95	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	394740	13.457	413338	13.459	96	50 - 200	-0.0020	+/-0.50	
GW0470 (1202127-09)			Lab File ID: 0212709.D			Analyzed: 02/21/12 13:35			
Fluorobenzene	885502	7.959	956337	7.96	93	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	349898	11.068	386367	11.069	91	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	385418	13.458	413338	13.459	93	50 - 200	-0.0010	+/-0.50	
GW0469 (1202127-07)			Lab File ID: 0212707.D			Analyzed: 02/21/12 15:56			
Fluorobenzene	909129	7.964	956337	7.96	95	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	357018	11.073	386367	11.069	92	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	384363	13.463	413338	13.459	93	50 - 200	0.0040	+/-0.50	
Matrix Spike (2B21013-MS1)			Lab File ID: 0212709M.D			Analyzed: 02/21/12 18:17			
Fluorobenzene	931729	7.963	956337	7.96	97	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	371973	11.072	386367	11.069	96	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	406116	13.462	413338	13.459	98	50 - 200	0.0030	+/-0.50	
Matrix Spike Dup (2B21013-MSD1)			Lab File ID: 0212709S.D			Analyzed: 02/21/12 18:46			
Fluorobenzene	975100	7.963	956337	7.96	102	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	384024	11.072	386367	11.069	99	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	402823	13.463	413338	13.459	97	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05502	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05502-CCV1)			Lab File ID: 0223CCV1.D			Analyzed: 02/23/12 12:19			
Fluorobenzene	1008754	7.986	983262	7.953	103	50 - 200	0.0330	+/-0.50	
Chlorobenzene-d5	386193	11.095	383879	11.06	101	50 - 200	0.0350	+/-0.50	
1,4-Dichlorobenzene-d4	413574	13.486	399760	13.457	103	50 - 200	0.0290	+/-0.50	
LCS (2B23009-BS1)			Lab File ID: 0223LCS1.D			Analyzed: 02/23/12 12:54			
Fluorobenzene	1026569	7.98	1008754	7.986	102	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	398398	11.088	386193	11.095	103	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	426130	13.479	413574	13.486	103	50 - 200	-0.0070	+/-0.50	
Blank (2B23009-BLK1)			Lab File ID: 0223BLK1.D			Analyzed: 02/23/12 14:19			
Fluorobenzene	1016339	7.987	1008754	7.986	101	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	393725	11.086	386193	11.095	102	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	431107	13.486	413574	13.486	104	50 - 200	0.0000	+/-0.50	
GW0446 (1202127-05RE1)			Lab File ID: 0212705.D			Analyzed: 02/23/12 16:11			
Fluorobenzene	920840	7.984	1008754	7.986	91	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	369928	11.092	386193	11.095	96	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	400354	13.483	413574	13.486	97	50 - 200	-0.0030	+/-0.50	
GW0445 (1202127-03RE1)			Lab File ID: 0212703D.D			Analyzed: 02/23/12 19:01			
Fluorobenzene	924044	7.984	1008754	7.986	92	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	360351	11.092	386193	11.095	93	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	386266	13.483	413574	13.486	93	50 - 200	-0.0030	+/-0.50	
LCS Dup (2B23009-BSD1)			Lab File ID: 0223LCD1.D			Analyzed: 02/23/12 23:14			
Fluorobenzene	998437	7.982	1008754	7.986	99	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	399958	11.091	386193	11.095	104	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	423569	13.481	413574	13.486	102	50 - 200	-0.0050	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2011004
Instrument: MS-VOA4
Matrix: Water
Calibration Dates: 1/6/12 8:49 1/6/12 12:34

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	9.381877E-02	2	0.102278	4	8.767798E-02	10	7.415318E-02	20	7.114093E-02	100	6.120788E-02
Acrolein	2.502	5.229756E-02	5.005	4.028654E-02	10.01	4.190665E-02	25.02	4.123089E-02	50.05	0.0230089	250.2	2.281535E-02
Acrylonitrile	2.498	7.961083E-02	4.997	7.836325E-02	9.994	8.376711E-02	24.98	8.360881E-02	49.97	7.773431E-02	249.8	7.718366E-02
Benzene	0.5	0.8659493	1	0.877736	2	0.877177	5	0.8557211	10	0.8068226	50	0.7915002
Bromobenzene	0.5	0.6704029	1	0.6307899	2	0.6861217	5	0.6504002	10	0.6463347	50	0.6342971
Bromochloromethane	0.5	0.1379813	1	0.120716	2	0.1396707	5	0.1406665	10	0.1357205	50	0.1289797
Tert-Amyl Methyl Ether	0.5	0.6474739	1	0.6270465	2	0.6588948	5	0.6481996	10	0.6277878	50	0.5928271
Bromodichloromethane	0.5	0.2942953	1	0.2980532	2	0.3222217	5	0.302965	10	0.2895951	50	0.2852179
Bromoform	0.5	0.4132312	1	0.4194731	2	0.4288657	5	0.4204919	10	0.4170685	50	0.4648139
Bromomethane	0.5	~~0.27833~~	1	0.2107993	2	0.2166476	5	0.1955186	10	0.1750855	50	0.16324
Bromofluorobenzene	30	0.9298439	35	0.9002505	40	0.910851	50	0.8220762	60	0.8685338	70	0.8358502
n-Butylbenzene	0.5	1.348218	1	1.275935	2	1.346341	5	1.279428	10	1.228666	50	1.229195
2-Butanone	1	0.139165	2	0.1359554	4	0.1343393	10	0.1260152	20	0.112409	100	0.1063829
sec-Butylbenzene	0.5	1.743622	1	1.644123	2	1.842209	5	1.70771	10	1.638106	50	1.664286
tert-Butylbenzene	0.5	1.402824	1	1.336683	2	1.462715	5	1.396918	10	1.368962	50	1.348517
Carbon disulfide	0.5	0.7314889	1	0.6938786	2	0.7631246	5	0.7269538	10	0.7239692	50	0.7084408
Carbon tetrachloride	0.5	0.2362618	1	0.2334663	2	0.255266	5	0.2408453	10	0.2322999	50	0.2349772
Chlorobenzene	0.5	1.509865	1	1.446717	2	1.614753	5	1.449472	10	1.42403	50	1.442146
Chloroethane	0.5	0.1705189	1	0.1638047	2	0.1746838	5	0.1529196	10	0.1593694	50	0.1548301
Chloroform	0.5	0.4965019	1	0.4377146	2	0.4488159	5	0.397298	10	0.3876951	50	0.3625836
2-Chloroethyl vinyl ether	0.9975	0.1458429	1.995	0.1472264	3.99	0.1592328	9.975	0.148259	19.95	0.1481127	99.75	0.1402443
Chloromethane	0.5	0.3545141	1	0.3025127	2	0.3083051	5	0.2658091	10	0.2645749	50	0.2471158
1-Chlorohexane	0.5	0.8964132	1	0.7316316	2	0.7155059	5	0.6523462	10	0.5952247	50	0.6070666
2-Chlorotoluene	0.5	1.537903	1	1.488294	2	1.552511	5	1.447063	10	1.425774	50	1.382797
4-Chlorotoluene	0.5	1.731067	1	1.690295	2	1.808498	5	1.683845	10	1.632089	50	1.618613
Cyclohexane	0.5	0.3281077	1	0.3000215	2	0.3185096	5	0.3126979	10	0.2819641	50	0.2830945
Dibromochloromethane	0.5	0.6417163	1	0.6059409	2	0.6598401	5	0.6371383	10	0.6240749	50	0.6499053
1,2-Dibromo-3-chloropropane	0.5	0.1188937	1	0.1114334	2	0.1241829	5	0.1237643	10	0.127064	50	0.1328724
1,2-Dibromoethane (EDB)	0.5	0.588661	1	0.5585284	2	0.6300814	5	0.5861066	10	0.5859926	50	0.5805325
Dibromomethane	0.5	0.1751324	1	0.1563311	2	0.1750657	5	0.173679	10	0.1626532	50	0.1568931
1,2-Dichlorobenzene	0.5	1.027538	1	1.010226	2	1.113704	5	1.045242	10	1.025395	50	1.026858

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

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	1.153238	1	1.071788	2	1.146514	5	1.112392	10	1.065198	50	1.022892
1,4-Dichlorobenzene	0.5	1.095153	1	1.063723	2	1.172117	5	1.072213	10	1.065337	50	1.063538
Dichlorodifluoromethane	0.5	0.2258814	1	0.2296526	2	0.2117745	5	0.2070516	10	0.219852	50	0.2224737
1,1-Dichloroethane	0.5	0.4014994	1	0.4243052	2	0.4371296	5	0.4125289	10	0.4098296	50	0.4017474
1,2-Dichloroethane	0.5	0.3010335	1	0.2829521	2	0.3110854	5	0.2960147	10	0.2805772	50	0.2730936
1,1-Dichloroethene	0.5	0.2457317	1	0.2166122	2	0.2366901	5	0.216693	10	0.2083183	50	0.2086674
cis-1,2-Dichloroethene	0.5	0.2356548	1	0.248475	2	0.263729	5	0.2497117	10	0.2385969	50	0.227138
trans-1,2-Dichloroethene	0.5	0.2468851	1	0.239925	2	0.2459627	5	0.2305449	10	0.2291592	50	0.2229139
1,2-Dichloroethene (total)	1	0.2412699	2	0.2442	4	0.2548459	10	0.2401283	20	0.233878	100	0.2250259
1,2-Dichloropropane	0.5	0.2513772	1	0.2475831	2	0.2534634	5	0.2442136	10	0.2388799	50	0.2252443
1,3-Dichloropropane	0.5	0.7944081	1	0.8323434	2	0.9197218	5	0.8716809	10	0.8548685	50	0.8580708
2,2-Dichloropropane	0.5	0.2899246	1	0.3105092	2	0.3055248	5	0.2849393	10	0.2780739	50	0.2637238
1,1-Dichloropropene	0.5	0.2992731	1	0.2900874	2	0.3271407	5	0.301049	10	0.2880838	50	0.2825747
cis-1,3-Dichloropropene	0.5	0.3358172	1	0.3565504	2	0.3857251	5	0.3614479	10	0.3470396	50	0.336022
trans-1,3-Dichloropropene	0.5	0.9401523	1	0.8511174	2	0.9438045	5	0.8871702	10	0.8772335	50	0.8576712
Diisopropyl Ether	0.5	0.9352739	1	0.8562685	2	0.9298647	5	0.8701526	10	0.8680981	50	0.8337026
Ethylbenzene	0.5	2.267008	1	2.478176	2	2.528961	5	2.272122	10	2.24054	50	2.273311
Ethyl tert-Butyl Ether	0.5	0.6726056	1	0.7062424	2	0.7194498	5	0.6965895	10	0.6807109	50	0.6392152
Ethyl Methacrylate	0.5	0.7053511	1	0.6972656	2	0.7845103	5	0.7215242	10	0.6991505	50	0.7224117
Hexachlorobutadiene	0.5	0.2801413	1	0.2598633	2	0.2761079	5	0.2504403	10	0.2497174	50	0.2493844
2-Hexanone	1	0.4044676	2	0.4146602	4	0.432251	10	0.405198	20	0.3931269	100	0.3925799
Iodomethane	0.5	0.1795638	1	0.210092	2	0.237683	5	0.2668282	10	0.2956776	50	0.3488043
Isopropylbenzene	0.5	1.825986	1	1.841927	2	2.001292	5	1.830686	10	1.801343	50	1.792526
p-Isopropyltoluene	0.5	1.487683	1	1.413191	2	1.532052	5	1.456519	10	1.387423	50	1.37815
Methylene chloride	0.5	0.3181522	1	0.29304	2	0.2688618	5	0.2527078	10	0.2421513	50	0.2367567
Methyl Acetate	0.5	0.2270954	1	0.1895164	2	0.2359874	5	0.1841076	10	0.1812675	50	0.1659459
Methylcyclohexane	0.5	0.2502846	1	0.222548	2	0.235468	5	0.2274633	10	0.2074632	50	0.2146291
Naphthalene	0.5	1.28393	1	1.213484	2	1.30407	5	1.301191	10	1.23965	50	1.276068
Methyl Methacrylate	0.5	0.2020245	1	0.1965595	2	0.2208333	5	0.2072225	10	0.1968935	50	0.1905085
4-Methyl-2-pentanone	1	0.2377491	2	0.2298679	4	0.2386454	10	0.2254618	20	0.2208875	100	0.20822
Methyl t-Butyl Ether	0.5	0.5774817	1	0.5665194	2	0.5785876	5	0.5801729	10	0.5536569	50	0.5311237

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

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	2.311014	1	2.119158	2	2.309471	5	2.221438	10	2.12356	50	2.17659
Styrene	0.5	1.567815	1	1.517915	2	1.668433	5	1.565587	10	1.509273	50	1.603069
1,1,2,2-Tetrachloroethane	0.5	0.6542176	1	0.5887619	2	0.6496326	5	0.6389634	10	0.6186124	50	0.6115664
1,1,1,2-Tetrachloroethane	0.5	0.480024	1	0.4893985	2	0.5552793	5	0.5271817	10	0.5046919	50	0.5314135
tert-Butyl alcohol	2.5	1.505471E-02	5	1.619593E-02	10	1.866451E-02	25	1.825271E-02	50	0.0169003	250	1.516307E-02
Tetrachloroethene	0.5	0.6196099	1	0.5681541	2	0.6580967	5	0.5845123	10	0.5757528	50	0.5936625
Toluene	0.5	1.358752	1	1.373291	2	1.386617	5	1.312367	10	1.278747	50	1.267786
1,2,3-Trichlorobenzene	0.5	0.5778292	1	0.5115133	2	0.5502262	5	0.5281669	10	0.5108822	50	0.5300002
1,2,4-Trichlorobenzene	0.5	0.6652599	1	0.5647882	2	0.6373945	5	0.589974	10	0.5565634	50	0.5797486
1,1,2-Trichloroethane	0.5	0.4077046	1	0.4490661	2	0.4533132	5	0.4591447	10	0.4536798	50	0.4502663
1,1,1-Trichloroethane	0.5	0.2970877	1	0.2883651	2	0.307358	5	0.302428	10	0.2780521	50	0.2738227
Tetrahydrofuran	0.5		1	8.694627E-02	2	9.011454E-02	5	6.741642E-02	10	0.0634119	50	6.212034E-02
Trichloroethene	0.5	0.2530163	1	0.2316824	2	0.2466043	5	0.2328515	10	0.2243174	50	0.2144664
Trichlorofluoromethane	0.5	0.3106855	1	0.2965461	2	0.3382465	5	0.3158527	10	0.297503	50	0.2981497
1,2,3-Trichloropropane	0.5	0.1375332	1	0.1484424	2	0.1715382	5	0.1603318	10	0.1611793	50	0.1617741
1,3,5-Trimethylbenzene	0.5	1.557567	1	1.530026	2	1.597672	5	1.540824	10	1.514749	50	1.488827
1,2,4-Trimethylbenzene	0.5	1.614291	1	1.514562	2	1.627028	5	1.672709	10	1.556236	50	1.496979
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2113123	1	0.1982203	2	0.2267605	5	0.2190789	10	0.204055	50	0.2082972
Vinyl chloride	0.5	0.2207822	1	0.2008037	2	0.2226512	5	0.1782495	10	0.191464	50	0.1720476
m,p-Xylene	1	1.90778	2	1.800361	4	1.96529	10	1.802451	20	1.747328	100	1.67976
o-Xylene	0.5	1.991468	1	1.915273	2	2.004049	5	1.884844	10	1.755247	50	1.808514
Vinyl acetate	0.996	0.4697588	1.992	0.5129341	3.984	0.5572453	9.96	0.5395889	19.92	0.5142655	99.62	0.4952973
Xylenes (total)	1.5	1.935676	3	1.838665	6	1.978209	15	1.829915	30	1.749967	150	1.722678
Dibromofluoromethane	30	0.300478	35	0.2962983	40	0.2901867	50	0.2786321	60	0.2805554	70	0.2654734
1,2-Dichloroethane-d4	30	6.007517E-02	35	6.069411E-02	40	5.627614E-02	50	0.0568408	60	5.688372E-02	70	5.376075E-02
Toluene-d8	30	2.35476	35	2.234245	40	2.280675	50	2.112041	60	2.169492	70	2.088149
tert-Amyl alcohol	2.5	0.0130029	5	1.288047E-02	10	0.0134492	25	1.308298E-02	50	1.229865E-02	250	1.206255E-02
tert-Amyl ethyl ether	0.5	0.5468259	1	0.5815281	2	0.60167	5	0.5791722	10	0.5562442	50	0.5435141

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

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	6.840238E-02	300	6.327703E-02	400	6.539198E-02						
Acrolein	500.5	2.525839E-02	750.8	2.379317E-02	1001	2.420215E-02						
Acrylonitrile	499.7	8.421197E-02	749.6	8.061115E-02	999.4	8.265219E-02						
Benzene	100	0.8238047	150	0.7807284	200	0.759281						
Bromobenzene	100	0.6623068	150	0.6610546	200	0.6507036						
Bromochloromethane	100	0.1412531	150	0.1336871	200	0.1312866						
Tert-Amyl Methyl Ether	100	0.6363808	150	0.5800117	200	0.5843138						
Bromodichloromethane	100	0.2963187	150	0.2845465	200	0.2799448						
Bromoform	100	0.5213094	150	0.5115891	200	0.5171277						
Bromomethane	100	0.1812619	150	0.1805642	200	0.1830554						
Bromofluorobenzene	30	1.020289	30	0.9718459	30	0.9911713						
n-Butylbenzene	100	1.261692	150	1.218387	200	1.170125						
2-Butanone	200	0.1212751	300	0.117579	400	0.1171103						
sec-Butylbenzene	100	1.645047	150	1.662902	200	1.547214						
tert-Butylbenzene	100	1.367332	150	1.345331	200	1.309463						
Carbon disulfide	100	0.7514947	150	0.724944	200	0.7284933						
Carbon tetrachloride	100	0.2530443	150	0.243776	200	0.2424461						
Chlorobenzene	100	1.48609	150	1.39112	200	1.394199						
Chloroethane	100	0.1651746	150	0.1557637	200	0.1595611						
Chloroform	100	0.3836072	150	0.3587965	200	0.3509863						
2-Chloroethyl vinyl ether	199.5	0.1552751	299.2	0.1454333	399	0.1452536						
Chloromethane	100	0.2739588	150	0.2684152	200	0.2622653						
1-Chlorohexane	100	0.6350822	150	0.6270059	200	0.6322465						
2-Chlorotoluene	100	1.349691	150	1.384648	200	1.304885						
4-Chlorotoluene	100	1.611909	150	1.600739	200	1.51511						
Cyclohexane	100	0.3006848	150	0.2858816	200	0.2862235						
Dibromochloromethane	100	0.6945121	150	0.6735623	200	0.6940503						
1,2-Dibromo-3-chloropropane	100	0.1468029	150	0.1517534	200	0.1560608						
1,2-Dibromoethane (EDB)	100	0.6299025	150	0.5943547	200	0.6186179						
Dibromomethane	100	0.1674192	150	0.1592365	200	0.1575043						
1,2-Dichlorobenzene	100	1.06236	150	1.024679	200	1.001634						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

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	1.054281	150	1.055899	200	1.007597						
1,4-Dichlorobenzene	100	1.070809	150	1.068599	200	1.030568						
Dichlorodifluoromethane	100	0.238552	150	0.2289638	200	0.2275247						
1,1-Dichloroethane	100	0.4246041	150	0.4046457	200	0.390202						
1,2-Dichloroethane	100	0.284239	150	0.2616644	200	0.2569983						
1,1-Dichloroethene	100	0.2141902	150	0.2057988	200	0.2145801						
cis-1,2-Dichloroethene	100	0.2457092	150	0.2343075	200	0.2368486						
trans-1,2-Dichloroethene	100	0.2300958	150	0.2204311	200	0.2225448						
1,2-Dichloroethene (total)	200	0.2379025	300	0.2273693	400	0.2296967						
1,2-Dichloropropane	100	0.2443097	150	0.2296434	200	0.2286445						
1,3-Dichloropropane	100	0.8924075	150	0.8422525	200	0.8547604						
2,2-Dichloropropane	100	0.2664378	150	0.2522102	200	0.2519803						
1,1-Dichloropropene	100	0.298074	150	0.2820662	200	0.2807297						
cis-1,3-Dichloropropene	100	0.3624957	150	0.3372328	200	0.3396853						
trans-1,3-Dichloropropene	100	0.8870757	150	0.8029358	200	0.7913708						
Diisopropyl Ether	100	0.8524936	150	0.81107	200	0.7806082						
Ethylbenzene	100	2.354578	150	2.120514	200	2.064044						
Ethyl tert-Butyl Ether	100	0.6685004	150	0.6223114	200	0.6199278						
Ethyl Methacrylate	100	0.7710764	150	0.7462247	200	0.7449815						
Hexachlorobutadiene	100	0.2627541	150	0.276623	200	0.2717933						
2-Hexanone	200	0.4342725	300	0.3983831	400	0.4138226						
Iodomethane	100	0.3924044	150	0.3808489	200	0.3798566						
Isopropylbenzene	100	1.874681	150	1.733129	200	1.698429						
p-Isopropyltoluene	100	1.391224	150	1.362157	200	1.324643						
Methylene chloride	100	0.2578361	150	0.2451741	200	0.2468627						
Methyl Acetate	100	0.1832243	150	0.1748652	200	0.1796074						
Methylcyclohexane	100	0.2301063	150	0.2346923	200	0.229254						
Naphthalene	100	1.331745	150	1.384501	200	1.336922						
Methyl Methacrylate	100	0.1965885	150	0.1908664	200	0.186286						
4-Methyl-2-pentanone	200	0.2240031	300	0.2113823	400	0.2131554						
Methyl t-Butyl Ether	100	0.5680552	150	0.5368452	200	0.5373366						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	2.068663	150	2.057718	200	1.954379						
Styrene	100	1.635283	150	1.538518	200	1.494041						
1,1,2,2-Tetrachloroethane	100	0.6357117	150	0.6719298	200	0.65479						
1,1,1,2-Tetrachloroethane	100	0.556232	150	0.5359604	200	0.5455617						
tert-Butyl alcohol	500	1.824846E-02	750	1.799841E-02	1000	1.760797E-02						
Tetrachloroethene	100	0.6148619	150	0.5889952	200	0.6057697						
Toluene	100	1.306264	150	1.192749	200	1.180517						
1,2,3-Trichlorobenzene	100	0.5417719	150	0.5641881	200	0.5593847						
1,2,4-Trichlorobenzene	100	0.5964962	150	0.6070519	200	0.5946947						
1,1,2-Trichloroethane	100	0.4791617	150	0.4547186	200	0.4617507						
1,1,1-Trichloroethane	100	0.2930975	150	0.2721367	200	0.2793273						
Tetrahydrofuran	100	6.976513E-02	150	~~5.886121E-02~~	200	~~6.404349E-02~~						
Trichloroethene	100	0.2288882	150	0.2216504	200	0.2174214						
Trichlorofluoromethane	100	0.3186577	150	0.3129281	200	0.3143692						
1,2,3-Trichloropropane	100	0.1742049	150	0.1702515	200	0.1749536						
1,3,5-Trimethylbenzene	100	1.433318	150	1.443886	200	1.365028						
1,2,4-Trimethylbenzene	100	1.557772	150	1.471524	200	1.401438						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2184536	150	0.2184004	200	0.2178584						
Vinyl chloride	100	0.1938319	150	0.1690258	200	0.1585416						
m,p-Xylene	200	1.626	300	1.471002	400	1.373884						
o-Xylene	100	1.855637	150	1.701865	200	1.628721						
Vinyl acetate	199.2	0.5296794	298.9	0.4921099	398.5	0.4817225						
Xylenes (total)	300	1.702546	450	1.547956	600	1.45883						
Dibromofluoromethane	30	0.3005112	30	0.2962413	30	0.2987464						
1,2-Dichloroethane-d4	30	6.205962E-02	30	6.004951E-02	30	5.929523E-02						
Toluene-d8	30	2.470441	30	2.468475	30	2.497404						
tert-Amyl alcohol	500	0.0138149	750	1.407104E-02	1000	1.465782E-02						
tert-Amyl ethyl ether	100	0.557275	150	0.5317157	200	0.5053606						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	7.637201E-02	19.20558	3.837111	0.1034709	0.9987951		0.995	
Acrolein	3.275551E-02	34.09303	3.721778	6.767667E-02	0.9990098		0.995	
Acrylonitrile	8.086036E-02	3.431582	4.664444	0.1251943			15	
Benzene	0.8265245	5.383026	7.689778	6.859723E-02			15	
Bromobenzene	0.6547124	2.659029	12.41278	3.534174E-02			15	
Bromochloromethane	0.1344402	4.957755	6.791889	7.837531E-02			15	
Tert-Amyl Methyl Ether	0.6225484	4.749438	7.874889	5.295584E-02			15	
Bromodichloromethane	0.2947954	4.284919	8.666444	0.0581257			15	
Bromoform	0.4571078	10.3293	11.82089	3.193005E-02			SPCC (0.1)	
Bromomethane	0.1882716	9.630826	2.88925	0.1718568			15	
Bromofluorobenzene	0.9167457	7.478808	12.25267	2.225876E-02			15	
n-Butylbenzene	1.261999	4.652187	13.84222	0.024947			15	
2-Butanone	0.123359	9.157966	6.250667	8.203309E-02			15	
sec-Butylbenzene	1.677247	4.875423	13.30178	4.197691E-02			15	
tert-Butylbenzene	1.370972	3.286644	13.06922	3.339714E-02			15	
Carbon disulfide	0.7280875	2.819596	4.836667	9.196641E-02			15	
Carbon tetrachloride	0.2413759	3.429831	7.657889	5.488948E-02			15	
Chlorobenzene	1.462044	4.717212	11.09844	2.186609E-02			SPCC (0.3)	
Chloroethane	0.1618473	4.541407	3.022667	0.1237572			15	
Chloroform	0.4026666	12.09692	6.764667	7.409076E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.14832	3.827301	9.021555	5.742235E-02			15	
Chloromethane	0.2830523	11.70564	2.299222	0.1137219			SPCC (0.1)	
1-Chlorohexane	0.676947	13.92183	11.06256	3.535821E-02			15	
2-Chlorotoluene	1.430396	5.887971	12.63411	4.045303E-02			15	
4-Chlorotoluene	1.654685	5.129992	12.69667	6.255846E-03			15	
Cyclohexane	0.2996872	5.650079	7.591	0.0689517			15	
Dibromochloromethane	0.6534156	4.628133	10.33144	4.404036E-02			15	
1,2-Dibromo-3-chloropropane	0.1325364	11.73279	14.44489	3.043544E-02			15	
1,2-Dibromoethane (EDB)	0.5969753	4.065334	10.54511	3.752935E-02			15	
Dibromomethane	0.1648794	4.893615	8.603778	3.239242E-02			15	
1,2-Dichlorobenzene	1.037515	3.239724	13.80256	2.667667E-02			15	
1,3-Dichlorobenzene	1.076644	4.732395	13.39278	3.781641E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2011004	Instrument:	MS-VOA4
Matrix:	Water	Calibration Dates:	1/6/12 8:49 1/6/12 12:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.078006	3.614925	13.48367	2.878757E-02			15	
Dichlorodifluoromethane	0.2235251	4.298462	2.085556	0.1852325			15	
1,1-Dichloroethane	0.4118324	3.530376	5.814444	6.205191E-02			SPCC (0.1)	
1,2-Dichloroethane	0.2830731	6.27005	7.518667	3.590633E-02			15	
1,1-Dichloroethene	0.2185869	6.211544	4.311667	9.971813E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2422412	4.487146	6.515889	8.044807E-02			15	
trans-1,2-Dichloroethene	0.2320514	4.30646	5.446222	4.689926E-02			15	
1,2-Dichloroethene (total)	0.2371463	3.939299	0	0			15	
1,2-Dichloropropane	0.2403732	4.309562	8.490889	6.093833E-02			CCC (20)	
1,3-Dichloropropane	0.8578349	4.152439	10.07367	2.435231E-02			15	
2,2-Dichloropropane	0.2781471	7.71535	6.620111	3.572975E-02			15	
1,1-Dichloropropene	0.2943421	4.938977	7.539556	5.858253E-02			15	
cis-1,3-Dichloropropene	0.3513351	4.789296	9.236444	4.893457E-02			15	
trans-1,3-Dichloropropene	0.8709479	6.046711	9.707556	2.782621E-02			15	
Diisopropyl Ether	0.8597258	5.84109	6.176222	4.435771E-02			15	
Ethylbenzene	2.288806	6.55409	11.24211	4.629047E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6695059	5.363739	6.633	0.0876457			15	
Ethyl Methacrylate	0.7324996	4.27656	9.894111	4.157879E-02			15	
Hexachlorobutadiene	0.2640917	4.728033	15.80644	2.896382E-02			15	
2-Hexanone	0.4098624	3.757277	10.00678	3.691595E-02			15	
Iodomethane	0.2990843	26.80501	4.501333	9.463535E-02	0.9994085		0.995	
Isopropylbenzene	1.822222	4.747523	12.14089	4.125689E-02			15	
p-Isopropyltoluene	1.414782	4.631644	13.43978	2.791071E-02			15	
Methylene chloride	0.2623936	10.2699	4.786333	6.510921E-02			15	
Methyl Acetate	0.1912908	12.46535	4.648111	0.0868378			15	
Methylcyclohexane	0.2279899	5.446885	8.819667	3.024068E-02			15	
Naphthalene	1.29684	3.987961	15.67789	2.710664E-02			15	
Methyl Methacrylate	0.1986425	5.245019	8.621333	4.629479E-02			15	
4-Methyl-2-pentanone	0.2232636	4.933831	9.159667	0.0581008			15	
Methyl t-Butyl Ether	0.5588643	3.509635	5.434	8.690575E-02			15	
n-Propylbenzene	2.14911	5.51075	12.54978	2.655913E-02			15	
Styrene	1.566659	3.784981	11.71578	0.0482124			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2011004		Instrument:	MS-VOA4	
Matrix:	Water		Calibration Dates:	1/6/12 8:49	1/6/12 12:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6360206	4.047422	12.06644	1.410712E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.5250825	5.294848	11.13933	2.459598E-02			15	
tert-Butyl alcohol	1.712067E-02	7.984318	4.447444	0.1092876			15	
Tetrachloroethene	0.6010461	4.559189	10.44078	3.440352E-02			15	
Toluene	1.295232	5.698501	9.710889	6.108741E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.5415514	4.319346	15.964	2.815398E-02			15	
1,2,4-Trichlorobenzene	0.5991079	5.714696	15.52678	2.213845E-02			15	
1,1,2-Trichloroethane	0.4520895	4.189176	9.861	5.427956E-02			15	
1,1,1-Trichloroethane	0.2879639	4.458	7.321445	4.167841E-02			15	
Tetrahydrofuran	7.329577E-02	16.58463	6.966667	3.991461E-02	0.9968956		0.995	
Trichloroethene	0.2300998	5.580514	8.445111	2.155812E-02			15	
Trichlorofluoromethane	0.3114376	4.238866	3.525667	0.1064837			15	
1,2,3-Trichloropropane	0.1622454	7.738864	12.19133	3.745857E-02			15	
1,3,5-Trimethylbenzene	1.496877	4.811007	12.72844	0.0331799			15	
1,2,4-Trimethylbenzene	1.545838	5.477834	13.10122	2.253856E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2136041	4.151001	4.389333	9.363296E-02			15	
Vinyl chloride	0.1897108	11.84015	2.449444	0.1128293			CCC (20)	
m,p-Xylene	1.708206	11.34454	11.35733	4.035927E-02			15	
o-Xylene	1.838402	6.924633	11.74522	4.483148E-02			15	
Vinyl acetate	0.5102891	5.575662	5.883444	0.1006304			15	
Xylenes (total)	1.751605	9.667105	6.526222	94.86835			15	
Dibromofluoromethane	0.2896803	4.218212	6.935556	3.502668E-02			15	
1,2-Dichloroethane-d4	5.843723E-02	4.516811	7.428889	3.256323E-02			15	
Toluene-d8	2.297298	6.904486	9.635333	5.103081E-02			15	
tert-Amyl alcohol	1.325783E-02	6.285237	7.130778	6.734641E-02			15	
tert-Amyl ethyl ether	0.5559229	5.194072	8.755111	6.121651E-02			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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_044
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_044
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_044
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_044
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_044
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_044		
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV1	Injection Time:	13:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Carbon disulfide	A	50.00	40.05	0.7280875	0.583241		-19.9	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV2.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV2	Injection Time:	13:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	L	200.0	189.2	7.637201E-02	6.164356E-02		-5.4	20
Benzene	A	100.0	94.83	0.8265245	0.7838009		-5.2	20
Bromobenzene	A	100.0	93.72	0.6547124	0.6135913		-6.3	20
Bromochloromethane	A	100.0	94.15	0.1344402	0.1265783		-5.8	20
Bromodichloromethane	A	100.0	88.79	0.2947954	0.2617489		-11.2	20
Bromoform	A	100.0	103.1	0.4571078	0.4713188	0.1	3.1	20
Bromomethane	A	100.0	96.31	0.1882716	0.1813164		-3.7	20
n-Butylbenzene	A	100.0	94.08	1.261999	1.187275		-5.9	20
2-Butanone	A	200.0	175.0	0.123359	0.1079145		-12.5	20
sec-Butylbenzene	A	100.0	92.94	1.677247	1.558875		-7.1	20
tert-Butylbenzene	A	100.0	94.92	1.370972	1.301348		-5.1	20
Carbon tetrachloride	A	100.0	98.72	0.2413759	0.238284		-1.3	20
Chlorobenzene	A	100.0	90.86	1.462044	1.328377	0.3	-9.1	20
Chloroethane	A	100.0	102.2	0.1618473	0.1653759		2.2	20
Chloroform	A	100.0	85.45	0.4026666	0.3440878		-14.5	20
Chloromethane	A	100.0	89.82	0.2830523	0.2542389	0.1	-10.2	20
2-Chlorotoluene	A	100.0	90.77	1.430396	1.29841		-9.2	20
4-Chlorotoluene	A	100.0	90.21	1.654685	1.492745		-9.8	20
Dibromochloromethane	A	100.0	94.38	0.6534156	0.6166799		-5.6	20
1,2-Dibromo-3-chloropropane	A	100.0	103.2	0.1325364	0.1368355		3.2	20
1,2-Dibromoethane (EDB)	A	100.0	95.04	0.5969753	0.5673534		-5.0	20
Dibromomethane	A	100.0	91.80	0.1648794	0.1513622		-8.2	20
1,2-Dichlorobenzene	A	100.0	92.37	1.037515	0.958391		-7.6	20
1,3-Dichlorobenzene	A	100.0	90.94	1.076644	0.9791329		-9.1	20
1,4-Dichlorobenzene	A	100.0	95.27	1.078006	1.026981		-4.7	20
Dichlorodifluoromethane	A	100.0	103.9	0.2235251	0.2321607		3.9	20
1,1-Dichloroethane	A	100.0	94.13	0.4118324	0.3876571	0.1	-5.9	20
1,2-Dichloroethane	A	100.0	90.93	0.2830731	0.2573927		-9.1	20
1,1-Dichloroethene	A	100.0	87.80	0.2185869	0.1919198		-12.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV2.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV2	Injection Time:	13:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
cis-1,2-Dichloroethene	A	100.0	93.96	0.2422412	0.2276055		-6.0	20
trans-1,2-Dichloroethene	A	100.0	92.78	0.2320514	0.2152866		-7.2	20
1,2-Dichloropropane	A	100.0	91.30	0.2403732	0.2194586		-8.7	20
1,3-Dichloropropane	A	100.0	96.01	0.8578349	0.8235675		-4.0	20
2,2-Dichloropropane	A	100.0	86.25	0.2781471	0.2398998		-13.8	20
1,1-Dichloropropene	A	100.0	94.13	0.2943421	0.2770552		-5.9	20
cis-1,3-Dichloropropene	A	100.0	98.43	0.3513351	0.3458146		-1.6	20
trans-1,3-Dichloropropene	A	100.0	83.60	0.8709479	0.7280993		-16.4	20
Ethylbenzene	A	100.0	92.17	2.288806	2.109541		-7.8	20
Hexachlorobutadiene	A	100.0	93.28	0.2640917	0.2463477		-6.7	20
2-Hexanone	A	200.0	185.5	0.4098624	0.3802044		-7.2	20
Isopropylbenzene	A	100.0	87.32	1.822222	1.591173		-12.7	20
p-Isopropyltoluene	A	100.0	89.53	1.414782	1.266638		-10.5	20
Methylene chloride	A	100.0	88.97	0.2623936	0.2334517		-11.0	20
Naphthalene	A	100.0	96.40	1.29684	1.250219		-3.6	20
4-Methyl-2-pentanone	A	200.0	186.9	0.2232636	0.2086351		-6.6	20
Methyl t-Butyl Ether	A	100.0	95.28	0.5588643	0.5324821		-4.7	20
n-Propylbenzene	A	100.0	90.35	2.14911	1.941678		-9.7	20
Styrene	A	100.0	93.84	1.566659	1.470221		-6.2	20
1,1,2,2-Tetrachloroethane	A	100.0	95.99	0.6360206	0.6105293	0.3	-4.0	20
1,1,1,2-Tetrachloroethane	A	100.0	98.27	0.5250825	0.5159905		-1.7	20
Tetrachloroethene	A	100.0	94.38	0.6010461	0.5672643		-5.6	20
Toluene	A	100.0	92.14	1.295232	1.193365		-7.9	20
1,2,3-Trichlorobenzene	A	100.0	96.49	0.5415514	0.5225652		-3.5	20
1,2,4-Trichlorobenzene	A	100.0	94.16	0.5991079	0.5641469		-5.8	20
1,1,2-Trichloroethane	A	100.0	95.67	0.4520895	0.432498		-4.3	20
1,1,1-Trichloroethane	A	100.0	95.11	0.2879639	0.2738928		-4.9	20
Trichloroethene	A	100.0	92.99	0.2300998	0.2139701		-7.0	20
Trichlorofluoromethane	A	100.0	99.14	0.3114376	0.3087647		-0.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	SEQICV2.D	Calibration Date:	01/06/12 08:49
Sequence:	2A00902	Injection Date:	01/06/12
Lab Sample ID:	2A00902-ICV2	Injection Time:	13:59

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2,3-Trichloropropane	A	100.0	93.43	0.1622454	0.1515847		-6.6	20
1,3,5-Trimethylbenzene	A	100.0	93.67	1.496877	1.402112		-6.3	20
1,2,4-Trimethylbenzene	A	100.0	96.30	1.545838	1.488603		-3.7	20
Vinyl chloride	A	100.0	96.32	0.1897108	0.1827298		-3.7	20
Xylenes (total)	A	300.0	268.5	1.751605	1.568228		-10.5	20
Bromofluorobenzene	A	30.00	30.94	0.9167457	0.9455377		3.1	20
Dibromofluoromethane	A	30.00	30.68	0.2896803	0.2962878		2.3	20
1,2-Dichloroethane-d4	A	30.00	30.71	5.843723E-02	5.982259E-02		2.4	20
Toluene-d8	A	30.00	30.85	2.297298	2.362082		2.8	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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_044
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_044
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_044
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

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0220CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05208	Injection Date:	02/20/12
Lab Sample ID:	2B05208-CCV1	Injection Time:	07:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	212.6	7.637201E-02	6.925644E-02		6.3	20
Benzene	A	100.0	103.6	0.8265245	0.8561557		3.6	20
Bromobenzene	A	100.0	104.3	0.6547124	0.682882		4.3	20
Bromochloromethane	A	100.0	108.5	0.1344402	0.1458146		8.5	20
Bromodichloromethane	A	100.0	112.8	0.2947954	0.332501		12.8	20
Bromoform	A	100.0	122.3	0.4571078	0.5591482	0.1	22.3	20 *
Bromomethane	A	100.0	111.3	0.1882716	0.2095794		11.3	20
n-Butylbenzene	A	100.0	102.9	1.261999	1.298774		2.9	20
2-Butanone	A	200.0	197.0	0.123359	0.1215242		-1.5	20
sec-Butylbenzene	A	100.0	100.4	1.677247	1.68421		0.4	20
tert-Butylbenzene	A	100.0	100.8	1.370972	1.381284		0.8	20
Carbon disulfide	A	100.0	106.1	0.7280875	0.7724609		6.1	20
Carbon tetrachloride	A	100.0	116.2	0.2413759	0.2804079		16.2	20
Chlorobenzene	A	100.0	107.8	1.462044	1.576724	0.3	7.8	20
Chloroethane	A	100.0	112.0	0.1618473	0.1812935		12.0	20
Chloroform	A	100.0	98.06	0.4026666	0.3948789		-1.9	20
Chloromethane	A	100.0	96.08	0.2830523	0.2719731	0.1	-3.9	20
2-Chlorotoluene	A	100.0	99.11	1.430396	1.417644		-0.9	20
4-Chlorotoluene	A	100.0	98.86	1.654685	1.635887		-1.1	20
Dibromochloromethane	A	100.0	116.4	0.6534156	0.7605678		16.4	20
1,2-Dibromo-3-chloropropane	A	100.0	98.32	0.1325364	0.1303072		-1.7	20
1,2-Dibromoethane (EDB)	A	100.0	108.7	0.5969753	0.6488863		8.7	20
Dibromomethane	A	100.0	108.4	0.1648794	0.1787217		8.4	20
1,2-Dichlorobenzene	A	100.0	102.1	1.037515	1.059003		2.1	20
1,3-Dichlorobenzene	A	100.0	99.91	1.076644	1.075635		-0.09	20
1,4-Dichlorobenzene	A	100.0	101.5	1.078006	1.093748		1.5	20
Dichlorodifluoromethane	A	100.0	133.4	0.2235251	0.2982865		33.4	20 *
1,1-Dichloroethane	A	100.0	104.0	0.4118324	0.4283925	0.1	4.0	20
1,2-Dichloroethane	A	100.0	101.6	0.2830731	0.2877255		1.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0220CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05208	Injection Date:	02/20/12
Lab Sample ID:	2B05208-CCV1	Injection Time:	07:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	106.2	0.2185869	0.2320705		6.2	20
cis-1,2-Dichloroethene	A	100.0	104.9	0.2422412	0.2540948		4.9	20
trans-1,2-Dichloroethene	A	100.0	102.6	0.2320514	0.2380476		2.6	20
1,2-Dichloropropane	A	100.0	103.1	0.2403732	0.2478022		3.1	20
1,3-Dichloropropane	A	100.0	103.4	0.8578349	0.8872948		3.4	20
2,2-Dichloropropane	A	100.0	106.6	0.2781471	0.2966181		6.6	20
1,1-Dichloropropene	A	100.0	102.2	0.2943421	0.3007101		2.2	20
cis-1,3-Dichloropropene	A	100.0	107.9	0.3513351	0.3791112		7.9	20
trans-1,3-Dichloropropene	A	100.0	99.45	0.8709479	0.8661326		-0.6	20
Ethylbenzene	A	100.0	102.2	2.288806	2.339703		2.2	20
Hexachlorobutadiene	A	100.0	88.36	0.2640917	0.233341		-11.6	20
2-Hexanone	A	200.0	197.6	0.4098624	0.4050063		-1.2	20
Isopropylbenzene	A	100.0	105.8	1.822222	1.927622		5.8	20
p-Isopropyltoluene	A	100.0	101.8	1.414782	1.439907		1.8	20
Methylene chloride	A	100.0	104.8	0.2623936	0.2751459		4.9	20
Naphthalene	A	100.0	84.45	1.29684	1.095197		-15.5	20
4-Methyl-2-pentanone	A	200.0	202.1	0.2232636	0.225596		1.0	20
Methyl t-Butyl Ether	A	100.0	98.28	0.5588643	0.5492763		-1.7	20
n-Propylbenzene	A	100.0	100.9	2.14911	2.168999		0.9	20
Styrene	A	100.0	107.8	1.566659	1.689129		7.8	20
1,1,2,2-Tetrachloroethane	A	100.0	101.3	0.6360206	0.6441524	0.3	1.3	20
1,1,1,2-Tetrachloroethane	A	100.0	113.5	0.5250825	0.5958855		13.5	20
Tetrachloroethene	A	100.0	113.4	0.6010461	0.6818229		13.4	20
Toluene	A	100.0	99.63	1.295232	1.290468		-0.4	20
1,2,3-Trichlorobenzene	A	100.0	84.89	0.5415514	0.4597299		-15.1	20
1,2,4-Trichlorobenzene	A	100.0	97.80	0.5991079	0.585923		-2.2	20
1,1,2-Trichloroethane	A	100.0	108.6	0.4520895	0.4912165		8.7	20
1,1,1-Trichloroethane	A	100.0	105.7	0.2879639	0.3043259		5.7	20
Trichloroethene	A	100.0	109.7	0.2300998	0.252471		9.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0220CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05208	Injection Date:	02/20/12
Lab Sample ID:	2B05208-CCV1	Injection Time:	07:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	114.9	0.3114376	0.3579455		14.9	20
1,2,3-Trichloropropane	A	100.0	110.9	0.1622454	0.1799155		10.9	20
1,3,5-Trimethylbenzene	A	100.0	99.20	1.496877	1.48483		-0.8	20
1,2,4-Trimethylbenzene	A	100.0	96.55	1.545838	1.492465		-3.5	20
Vinyl chloride	A	100.0	103.9	0.1897108	0.1971656		3.9	20
Xylenes (total)	A	300.0	297.0	1.751605	1.735292		-0.9	20
Bromofluorobenzene	A	30.00	33.45	0.9167457	1.022094		11.5	20
Dibromofluoromethane	A	30.00	32.68	0.2896803	0.3155842		8.9	20
1,2-Dichloroethane-d4	A	30.00	31.68	5.843723E-02	6.170747E-02		5.6	20
Toluene-d8	A	30.00	31.27	2.297298	2.394596		4.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0221CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05304	Injection Date:	02/21/12
Lab Sample ID:	2B05304-CCV1	Injection Time:	08:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	201.0	7.637201E-02	6.547624E-02		0.5	20
Benzene	A	100.0	98.86	0.8265245	0.8171065		-1.1	20
Bromobenzene	A	100.0	95.48	0.6547124	0.6251148		-4.5	20
Bromochloromethane	A	100.0	108.6	0.1344402	0.1460306		8.6	20
Bromodichloromethane	A	100.0	106.5	0.2947954	0.3139416		6.5	20
Bromoform	A	100.0	106.0	0.4571078	0.4846043	0.1	6.0	20
Bromomethane	A	100.0	102.1	0.1882716	0.1922225		2.1	20
n-Butylbenzene	A	100.0	90.83	1.261999	1.146255		-9.2	20
2-Butanone	A	200.0	175.3	0.123359	0.1081241		-12.4	20
sec-Butylbenzene	A	100.0	91.76	1.677247	1.539074		-8.2	20
tert-Butylbenzene	A	100.0	93.47	1.370972	1.281456		-6.5	20
Carbon disulfide	A	100.0	99.40	0.7280875	0.7236847		-0.6	20
Carbon tetrachloride	A	100.0	107.0	0.2413759	0.2582871		7.0	20
Chlorobenzene	A	100.0	97.24	1.462044	1.421682	0.3	-2.8	20
Chloroethane	A	100.0	110.9	0.1618473	0.1794328		10.9	20
Chloroform	A	100.0	95.91	0.4026666	0.3862121		-4.1	20
Chloromethane	A	100.0	86.18	0.2830523	0.243948	0.1	-13.8	20
2-Chlorotoluene	A	100.0	89.26	1.430396	1.27682		-10.7	20
4-Chlorotoluene	A	100.0	92.00	1.654685	1.522262		-8.0	20
Dibromochloromethane	A	100.0	104.0	0.6534156	0.6798562		4.0	20
1,2-Dibromo-3-chloropropane	A	100.0	93.55	0.1325364	0.1239852		-6.5	20
1,2-Dibromoethane (EDB)	A	100.0	98.20	0.5969753	0.5862317		-1.8	20
Dibromomethane	A	100.0	104.9	0.1648794	0.1729813		4.9	20
1,2-Dichlorobenzene	A	100.0	97.03	1.037515	1.006662		-3.0	20
1,3-Dichlorobenzene	A	100.0	94.20	1.076644	1.014153		-5.8	20
1,4-Dichlorobenzene	A	100.0	96.39	1.078006	1.039056		-3.6	20
Dichlorodifluoromethane	A	100.0	124.2	0.2235251	0.2777278		24.2	20 *
1,1-Dichloroethane	A	100.0	102.7	0.4118324	0.4228629	0.1	2.7	20
1,2-Dichloroethane	A	100.0	100.2	0.2830731	0.2836369		0.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0221CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05304	Injection Date:	02/21/12
Lab Sample ID:	2B05304-CCV1	Injection Time:	08:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	98.60	0.2185869	0.2155264		-1.4	20
cis-1,2-Dichloroethene	A	100.0	101.8	0.2422412	0.2466656		1.8	20
trans-1,2-Dichloroethene	A	100.0	99.10	0.2320514	0.2299612		-0.9	20
1,2-Dichloropropane	A	100.0	102.1	0.2403732	0.2454007		2.1	20
1,3-Dichloropropane	A	100.0	96.58	0.8578349	0.8285203		-3.4	20
2,2-Dichloropropane	A	100.0	96.74	0.2781471	0.2690943		-3.3	20
1,1-Dichloropropene	A	100.0	96.88	0.2943421	0.2851562		-3.1	20
cis-1,3-Dichloropropene	A	100.0	103.2	0.3513351	0.3625744		3.2	20
trans-1,3-Dichloropropene	A	100.0	91.68	0.8709479	0.7985022		-8.3	20
Ethylbenzene	A	100.0	93.20	2.288806	2.133129		-6.8	20
Hexachlorobutadiene	A	100.0	72.12	0.2640917	0.1904676		-27.9	20 *
2-Hexanone	A	200.0	170.8	0.4098624	0.3501161		-14.6	20
Isopropylbenzene	A	100.0	93.54	1.822222	1.704508		-6.5	20
p-Isopropyltoluene	A	100.0	90.54	1.414782	1.281009		-9.5	20
Methylene chloride	A	100.0	99.50	0.2623936	0.2610818		-0.5	20
Naphthalene	A	100.0	77.86	1.29684	1.009729		-22.1	20 *
4-Methyl-2-pentanone	A	200.0	185.0	0.2232636	0.2065765		-7.5	20
Methyl t-Butyl Ether	A	100.0	92.88	0.5588643	0.5190549		-7.1	20
n-Propylbenzene	A	100.0	90.37	2.14911	1.942219		-9.6	20
Styrene	A	100.0	94.94	1.566659	1.487379		-5.1	20
1,1,2,2-Tetrachloroethane	A	100.0	94.34	0.6360206	0.6000472	0.3	-5.7	20
1,1,1,2-Tetrachloroethane	A	100.0	101.6	0.5250825	0.5334043		1.6	20
Tetrachloroethene	A	100.0	98.82	0.6010461	0.5939552		-1.2	20
Toluene	A	100.0	90.86	1.295232	1.17682		-9.1	20
1,2,3-Trichlorobenzene	A	100.0	78.18	0.5415514	0.4233995		-21.8	20 *
1,2,4-Trichlorobenzene	A	100.0	86.76	0.5991079	0.5197768		-13.2	20
1,1,2-Trichloroethane	A	100.0	100.2	0.4520895	0.4529564		0.2	20
1,1,1-Trichloroethane	A	100.0	98.80	0.2879639	0.2845216		-1.2	20
Trichloroethene	A	100.0	105.0	0.2300998	0.241493		5.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0221CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05304	Injection Date:	02/21/12
Lab Sample ID:	2B05304-CCV1	Injection Time:	08:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	109.7	0.3114376	0.3417741		9.7	20
1,2,3-Trichloropropane	A	100.0	94.89	0.1622454	0.1539627		-5.1	20
1,3,5-Trimethylbenzene	A	100.0	92.16	1.496877	1.37952		-7.8	20
1,2,4-Trimethylbenzene	A	100.0	93.19	1.545838	1.440606		-6.8	20
Vinyl chloride	A	100.0	101.5	0.1897108	0.1924913		1.5	20
Xylenes (total)	A	300.0	271.4	1.751605	1.584264		-9.6	20
Bromofluorobenzene	A	30.00	33.60	0.9167457	1.026723		12.0	20
Dibromofluoromethane	A	30.00	33.59	0.2896803	0.3243407		12.0	20
1,2-Dichloroethane-d4	A	30.00	32.51	5.843723E-02	6.332287E-02		8.4	20
Toluene-d8	A	30.00	31.69	2.297298	2.426996		5.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0223CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05502	Injection Date:	02/23/12
Lab Sample ID:	2B05502-CCV1	Injection Time:	12:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	206.9	7.637201E-02	6.738739E-02		3.4	20
Benzene	A	100.0	104.9	0.8265245	0.8673795		4.9	20
Bromobenzene	A	100.0	106.9	0.6547124	0.7000856		6.9	20
Bromochloromethane	A	100.0	114.7	0.1344402	0.1541612		14.7	20
Bromodichloromethane	A	100.0	110.4	0.2947954	0.3253236		10.4	20
Bromoform	A	100.0	118.2	0.4571078	0.5403096	0.1	18.2	20
Bromomethane	A	100.0	106.4	0.1882716	0.200302		6.4	20
n-Butylbenzene	A	100.0	94.22	1.261999	1.189023		-5.8	20
2-Butanone	A	200.0	183.1	0.123359	0.1129325		-8.5	20
sec-Butylbenzene	A	100.0	95.76	1.677247	1.60619		-4.2	20
tert-Butylbenzene	A	100.0	97.94	1.370972	1.34278		-2.1	20
Carbon disulfide	A	100.0	104.7	0.7280875	0.7626126		4.7	20
Carbon tetrachloride	A	100.0	109.5	0.2413759	0.2642119		9.5	20
Chlorobenzene	A	100.0	108.0	1.462044	1.578714	0.3	8.0	20
Chloroethane	A	100.0	117.7	0.1618473	0.1905039		17.7	20
Chloroform	A	100.0	99.83	0.4026666	0.4019797		-0.2	20
Chloromethane	A	100.0	106.9	0.2830523	0.3025874	0.1	6.9	20
2-Chlorotoluene	A	100.0	99.42	1.430396	1.422118		-0.6	20
4-Chlorotoluene	A	100.0	101.2	1.654685	1.674309		1.2	20
Dibromochloromethane	A	100.0	113.0	0.6534156	0.7385548		13.0	20
1,2-Dibromo-3-chloropropane	A	100.0	105.8	0.1325364	0.140253		5.8	20
1,2-Dibromoethane (EDB)	A	100.0	109.8	0.5969753	0.6556603		9.8	20
Dibromomethane	A	100.0	110.0	0.1648794	0.1814054		10.0	20
1,2-Dichlorobenzene	A	100.0	103.8	1.037515	1.076977		3.8	20
1,3-Dichlorobenzene	A	100.0	100.6	1.076644	1.083014		0.6	20
1,4-Dichlorobenzene	A	100.0	101.5	1.078006	1.093935		1.5	20
Dichlorodifluoromethane	A	100.0	124.5	0.2235251	0.2783213		24.5	20 *
1,1-Dichloroethane	A	100.0	106.7	0.4118324	0.4393309	0.1	6.7	20
1,2-Dichloroethane	A	100.0	104.3	0.2830731	0.2951911		4.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0223CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05502	Injection Date:	02/23/12
Lab Sample ID:	2B05502-CCV1	Injection Time:	12:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	111.8	0.2185869	0.2443517		11.8	20
cis-1,2-Dichloroethene	A	100.0	109.2	0.2422412	0.2646559		9.3	20
trans-1,2-Dichloroethene	A	100.0	111.0	0.2320514	0.2574649		11.0	20
1,2-Dichloropropane	A	100.0	104.7	0.2403732	0.2516157		4.7	20
1,3-Dichloropropane	A	100.0	106.4	0.8578349	0.9129782		6.4	20
2,2-Dichloropropane	A	100.0	103.0	0.2781471	0.2863685		3.0	20
1,1-Dichloropropene	A	100.0	103.1	0.2943421	0.303456		3.1	20
cis-1,3-Dichloropropene	A	100.0	108.2	0.3513351	0.3802317		8.2	20
trans-1,3-Dichloropropene	A	100.0	100.4	0.8709479	0.8742999		0.4	20
Ethylbenzene	A	100.0	103.0	2.288806	2.358598		3.0	20
Hexachlorobutadiene	A	100.0	72.09	0.2640917	0.1903778		-27.9	20 *
2-Hexanone	A	200.0	190.7	0.4098624	0.3908029		-4.7	20
Isopropylbenzene	A	100.0	101.4	1.822222	1.848632		1.4	20
p-Isopropyltoluene	A	100.0	93.36	1.414782	1.320909		-6.6	20
Methylene chloride	A	100.0	109.4	0.2623936	0.287016		9.4	20
Naphthalene	A	100.0	82.20	1.29684	1.06604		-17.8	20
4-Methyl-2-pentanone	A	200.0	192.2	0.2232636	0.2145667		-3.9	20
Methyl t-Butyl Ether	A	100.0	99.31	0.5588643	0.5549932		-0.7	20
n-Propylbenzene	A	100.0	99.39	2.14911	2.136004		-0.6	20
Styrene	A	100.0	108.2	1.566659	1.695192		8.2	20
1,1,2,2-Tetrachloroethane	A	100.0	106.9	0.6360206	0.6802079	0.3	6.9	20
1,1,1,2-Tetrachloroethane	A	100.0	112.6	0.5250825	0.5915522		12.7	20
Tetrachloroethene	A	100.0	107.8	0.6010461	0.6481135		7.8	20
Toluene	A	100.0	101.7	1.295232	1.316903		1.7	20
1,2,3-Trichlorobenzene	A	100.0	77.18	0.5415514	0.4180011		-22.8	20 *
1,2,4-Trichlorobenzene	A	100.0	89.73	0.5991079	0.5375655		-10.3	20
1,1,2-Trichloroethane	A	100.0	106.2	0.4520895	0.4801493		6.2	20
1,1,1-Trichloroethane	A	100.0	103.2	0.2879639	0.2971486		3.2	20
Trichloroethene	A	100.0	107.7	0.2300998	0.247823		7.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0223CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05502	Injection Date:	02/23/12
Lab Sample ID:	2B05502-CCV1	Injection Time:	12:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	110.7	0.3114376	0.3448013		10.7	20
1,2,3-Trichloropropane	A	100.0	103.7	0.1622454	0.168247		3.7	20
1,3,5-Trimethylbenzene	A	100.0	99.78	1.496877	1.493657		-0.2	20
1,2,4-Trimethylbenzene	A	100.0	95.53	1.545838	1.47672		-4.5	20
Vinyl chloride	A	100.0	108.0	0.1897108	0.2048676		8.0	20
Xylenes (total)	A	300.0	293.2	1.751605	1.713469		-2.2	20
Bromofluorobenzene	A	30.00	32.28	0.9167457	0.9862815		7.6	20
Dibromofluoromethane	A	30.00	33.46	0.2896803	0.3230808		11.5	20
1,2-Dichloroethane-d4	A	30.00	32.66	5.843723E-02	6.361511E-02		8.9	20
Toluene-d8	A	30.00	32.66	2.297298	2.501389		8.9	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_044

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_044

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_044

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_044
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_044

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_044
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	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B20006-BLK1 File ID: 0220BLK1.D

Sampled: Prepared: Analyzed: 02/20/12 09:20

Solids: Preparation: 5030B Dilution:

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	X, 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B20006-BLK1 File ID: 0220BLK1.D

Sampled: Prepared: Analyzed: 02/20/12 09:20

Solids: Preparation: 5030B Dilution:

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.300	0.250	0.500	1.00	J
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	30.27	101	75 - 120	
Dibromofluoromethane	30.00	32.55	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.36	105	70 - 120	
Toluene-d8	30.00	30.76	103	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B20006-BS1 File ID: 0220LCS1.D

Sampled: Prepared: Analyzed: 02/20/12 07:55

Solids: Preparation: 5030B Dilution:

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	100	2.50	5.00	10.0	
71-43-2	Benzene	54.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	52.6	0.250	0.500	1.00	
75-25-2	Bromoform	58.1	0.250	0.500	1.00	X
74-83-9	Bromomethane	61.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.7	0.250	0.500	1.00	
78-93-3	2-Butanone	92.2	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	55.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	51.3	0.250	0.500	1.00	
75-00-3	Chloroethane	60.5	0.500	1.00	2.00	
67-66-3	Chloroform	50.0	0.250	0.500	1.00	
74-87-3	Chloromethane	48.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.0	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	48.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.1	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	52.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	54.8	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	52.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	50.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	52.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.0	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	44.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	48.3	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B20006-BS1	File ID:	0220LCS1.D
Sampled:		Prepared:		Analyzed:	02/20/12 07:55
Solids:		Preparation:	5030B	Dilution:	

Batch:	2B20006	Sequence:	2B05208	Calibration:	2011004	Instrument:	MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	95.2	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.9	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.7	0.500	1.00	2.00	
91-20-3	Naphthalene	45.9	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	97.1	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.0	0.250	0.500	1.00	
100-42-5	Styrene	52.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.2	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	56.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.9	0.250	0.500	1.00	
108-88-3	Toluene	51.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	51.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	53.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	55.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.1	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	51.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	63.3	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.16	107	75 - 120	
Dibromofluoromethane	30.00	32.04	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.79	109	70 - 120	
Toluene-d8	30.00	31.28	104	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B20006-BSD1 File ID: 0220LCD1.D

Sampled: Prepared: Analyzed: 02/20/12 18:17

Solids: Preparation: 5030B Dilution:

Batch: 2B20006 Sequence: 2B05208 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	104	2.50	5.00	10.0	
71-43-2	Benzene	52.7	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	57.1	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	54.7	0.250	0.500	1.00	
75-25-2	Bromoform	58.2	0.250	0.500	1.00	X
74-83-9	Bromomethane	55.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.8	0.250	0.500	1.00	
78-93-3	2-Butanone	95.1	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	58.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.9	0.250	0.500	1.00	
75-00-3	Chloroethane	54.4	0.500	1.00	2.00	
67-66-3	Chloroform	51.8	0.250	0.500	1.00	
74-87-3	Chloromethane	46.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	55.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	52.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	55.8	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	54.2	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	55.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	53.2	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	44.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	36.9	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B20006-BSD1	File ID:	0220LCD1.D
Sampled:		Prepared:		Analyzed:	02/20/12 18:17
Solids:		Preparation:	5030B	Dilution:	

Batch:	2B20006	Sequence:	2B05208	Calibration:	2011004	Instrument:	MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	97.5	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.9	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.9	0.500	1.00	2.00	
91-20-3	Naphthalene	39.2	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.8	0.250	0.500	1.00	
100-42-5	Styrene	50.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	56.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.3	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	38.8	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	53.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	56.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	58.0	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	51.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	62.7	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	32.63	109	75 - 120	
Dibromofluoromethane	30.00	33.00	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.72	109	70 - 120	
Toluene-d8	30.00	31.14	104	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21013-BLK1 File ID: 0221BLK1.D

Sampled: Prepared: Analyzed: 02/21/12 10:17

Solids: Preparation: 5030B Dilution:

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21013-BLK1 File ID: 0221BLK1.D

Sampled: Prepared: Analyzed: 02/21/12 10:17

Solids: Preparation: 5030B Dilution:

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.274	0.250	0.500	1.00	Y, 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	Y, U
120-82-1	1,2,4-Trichlorobenzene	0.317	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	30.63	102	75 - 120	
Dibromofluoromethane	30.00	32.13	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.26	108	70 - 120	
Toluene-d8	30.00	30.74	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21013-BS1 File ID: 0221LCS1.D

Sampled: Prepared: Analyzed: 02/21/12 08:52

Solids: Preparation: 5030B Dilution:

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	96.4	2.50	5.00	10.0	
71-43-2	Benzene	48.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	47.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.4	0.250	0.500	1.00	
75-25-2	Bromoform	52.8	0.250	0.500	1.00	
74-83-9	Bromomethane	52.9	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.1	0.250	0.500	1.00	
78-93-3	2-Butanone	91.6	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	44.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	46.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	40.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	51.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.8	0.250	0.500	1.00	
75-00-3	Chloroethane	54.7	0.500	1.00	2.00	
67-66-3	Chloroform	45.9	0.250	0.500	1.00	
74-87-3	Chloromethane	39.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	45.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	45.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	50.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	47.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	50.5	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	48.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	46.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.8	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	46.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	48.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	42.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.3	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B21013-BS1
File ID: 0221LCS1.D
Sampled:
Prepared:
Analyzed: 02/21/12 08:52
Solids:
Preparation: 5030B
Dilution:
Batch: 2B21013
Sequence: 2B05304
Calibration: 2011004
Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	91.2	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	44.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.3	0.500	1.00	2.00	
91-20-3	Naphthalene	41.3	0.250	0.500	1.00	Y, B
108-10-1	4-Methyl-2-pentanone	96.5	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	45.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	46.2	0.250	0.500	1.00	
100-42-5	Styrene	47.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	44.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.6	0.250	0.500	1.00	
108-88-3	Toluene	47.3	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	41.1	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	45.3	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	49.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	47.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	47.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	46.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	58.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	141	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.82	109	75 - 120	
Dibromofluoromethane	30.00	32.00	107	85 - 115	
1,2-Dichloroethane-d4	30.00	33.05	110	70 - 120	
Toluene-d8	30.00	31.58	105	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21013-MS1 File ID: 0212709M.D

Sampled: Prepared: Analyzed: 02/21/12 18:17

Solids: Preparation: 5030B Dilution:

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

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	55.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	53.7	0.250	0.500	1.00	
75-25-2	Bromoform	55.0	0.250	0.500	1.00	
74-83-9	Bromomethane	33.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.9	0.250	0.500	1.00	
78-93-3	2-Butanone	85.9	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	46.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	47.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	59.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.5	0.250	0.500	1.00	
75-00-3	Chloroethane	62.3	0.500	1.00	2.00	
67-66-3	Chloroform	50.8	0.250	0.500	1.00	
74-87-3	Chloromethane	41.5	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	54.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	58.4	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	55.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	52.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.7	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	55.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	30.0	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21013-MS1 File ID: 0212709M.D

Sampled: Prepared: Analyzed: 02/21/12 18:17

Solids: Preparation: 5030B Dilution:

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	83.9	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	51.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.6	0.500	1.00	2.00	
91-20-3	Naphthalene	33.1	0.250	0.500	1.00	Y, B
108-10-1	4-Methyl-2-pentanone	91.7	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.2	0.250	0.500	1.00	
100-42-5	Styrene	50.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.4	0.250	0.500	1.00	
108-88-3	Toluene	50.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	30.7	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	38.0	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	56.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	56.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	59.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	66.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	151	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.91	106	75 - 120	
Dibromofluoromethane	30.00	32.64	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.35	108	70 - 120	
Toluene-d8	30.00	30.40	101	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21013-MSD1 File ID: 0212709S.D

Sampled: Prepared: Analyzed: 02/21/12 18:46

Solids: Preparation: 5030B Dilution:

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	97.1	2.50	5.00	10.0	
71-43-2	Benzene	53.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	51.2	0.250	0.500	1.00	
75-25-2	Bromoform	55.1	0.250	0.500	1.00	
74-83-9	Bromomethane	42.9	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.0	0.250	0.500	1.00	
78-93-3	2-Butanone	84.8	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	56.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.6	0.250	0.500	1.00	
75-00-3	Chloroethane	59.3	0.500	1.00	2.00	
67-66-3	Chloroform	48.3	0.250	0.500	1.00	
74-87-3	Chloromethane	37.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	50.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	54.1	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	52.2	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	46.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.1	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	36.1	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21013-MSD1 File ID: 0212709S.D

Sampled: Prepared: Analyzed: 02/21/12 18:46

Solids: Preparation: 5030B Dilution:

Batch: 2B21013 Sequence: 2B05304 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	83.6	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	50.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.6	0.500	1.00	2.00	
91-20-3	Naphthalene	38.7	0.250	0.500	1.00	Y, B
108-10-1	4-Methyl-2-pentanone	92.0	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.7	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.4	0.250	0.500	1.00	
100-42-5	Styrene	51.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.6	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.1	0.250	0.500	1.00	
108-88-3	Toluene	50.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	36.8	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	41.8	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.5	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	55.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	56.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	64.6	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.19	101	75 - 120	
Dibromofluoromethane	30.00	32.13	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.40	105	70 - 120	
Toluene-d8	30.00	31.30	104	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B23009-BLK1 File ID: 0223BLK1.D

Sampled: Prepared: Analyzed: 02/23/12 14:19

Solids: Preparation: 5030B Dilution:

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B23009-BLK1
File ID: 0223BLK1.D
Sampled:
Prepared:
Analyzed: 02/23/12 14:19
Solids:
Preparation: 5030B
Dilution:
Batch: 2B23009
Sequence: 2B05502
Calibration: 2011004
Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	0.428	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	Y, U
120-82-1	1,2,4-Trichlorobenzene	0.398	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	30.30	101	75 - 120	
Dibromofluoromethane	30.00	33.01	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.04	107	70 - 120	
Toluene-d8	30.00	30.53	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B23009-BS1 File ID: 0223LCS1.D

Sampled: Prepared: Analyzed: 02/23/12 12:54

Solids: Preparation: 5030B Dilution:

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	102	2.50	5.00	10.0	
71-43-2	Benzene	51.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.6	0.250	0.500	1.00	
75-25-2	Bromoform	55.4	0.250	0.500	1.00	
74-83-9	Bromomethane	50.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.8	0.250	0.500	1.00	
78-93-3	2-Butanone	93.2	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.8	0.250	0.500	1.00	
75-00-3	Chloroethane	57.4	0.500	1.00	2.00	
67-66-3	Chloroform	46.7	0.250	0.500	1.00	
74-87-3	Chloromethane	49.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	47.6	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.9	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	50.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	48.3	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	46.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.2	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	50.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	41.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	43.1	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B23009-BS1
File ID: 0223LCS1.D
Sampled:
Prepared:
Analyzed: 02/23/12 12:54
Solids:
Preparation: 5030B
Dilution:
Batch: 2B23009
Sequence: 2B05502
Calibration: 2011004
Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	94.9	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	47.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.0	0.500	1.00	2.00	
91-20-3	Naphthalene	48.8	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	96.8	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.7	0.250	0.500	1.00	
100-42-5	Styrene	50.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.1	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	52.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.9	0.250	0.500	1.00	
108-88-3	Toluene	47.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	45.2	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	46.8	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	49.8	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	51.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	59.1	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	31.42	105	75 - 120	
Dibromofluoromethane	30.00	32.16	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.63	109	70 - 120	
Toluene-d8	30.00	30.83	103	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B23009-BSD1 File ID: 0223LCD1.D

Sampled: Prepared: Analyzed: 02/23/12 23:14

Solids: Preparation: 5030B Dilution:

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	98.8	2.50	5.00	10.0	
71-43-2	Benzene	52.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	51.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.5	0.250	0.500	1.00	
75-25-2	Bromoform	54.7	0.250	0.500	1.00	
74-83-9	Bromomethane	54.5	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	45.8	0.250	0.500	1.00	
78-93-3	2-Butanone	88.6	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.4	0.250	0.500	1.00	
75-00-3	Chloroethane	59.5	0.500	1.00	2.00	
67-66-3	Chloroform	49.1	0.250	0.500	1.00	
74-87-3	Chloromethane	47.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.3	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	48.3	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	52.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	43.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.5	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	42.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	37.3	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B23009-BSD1 File ID: 0223LCD1.D

Sampled: Prepared: Analyzed: 02/23/12 23:14

Solids: Preparation: 5030B Dilution:

Batch: 2B23009 Sequence: 2B05502 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	88.9	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	45.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	51.6	0.500	1.00	2.00	
91-20-3	Naphthalene	43.1	0.250	0.500	1.00	B
108-10-1	4-Methyl-2-pentanone	96.6	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	49.1	0.250	0.500	1.00	
100-42-5	Styrene	50.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.9	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	38.9	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	41.5	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	51.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.2	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	48.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	60.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	146	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.83	106	75 - 120	
Dibromofluoromethane	30.00	32.54	108	85 - 115	
1,2-Dichloroethane-d4	30.00	33.40	111	70 - 120	
Toluene-d8	30.00	30.27	101	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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
GW0407	02/09/12 14:57	02/13/12 08:00	02/16/12 00:00	N/A	14.00	02/16/12 15:16	6.97	14.00	
GW0415	02/09/12 15:01	02/13/12 08:00	02/16/12 00:00	N/A	14.00	02/16/12 15:41	6.99	14.00	
GW0441	02/10/12 13:00	02/13/12 08:00	02/16/12 00:00	N/A	14.00	02/16/12 16:07	6.09	14.00	
GW0442	02/10/12 09:26	02/13/12 08:00	02/16/12 00:00	N/A	14.00	02/16/12 16:32	6.25	14.00	
GW0443	02/10/12 09:26	02/13/12 08:00	02/20/12 00:00	N/A	14.00	02/20/12 11:41	10.05	14.00	
GW0480	02/10/12 11:47	02/13/12 08:00	02/20/12 00:00	N/A	14.00	02/20/12 12:09	9.97	14.00	
GW8174-TB	02/10/12 08:00	02/13/12 08:00	02/16/12 00:00	N/A	14.00	02/16/12 11:55	6.12	14.00	
GW0391	02/13/12 11:48	02/14/12 09:30	02/20/12 00:00	N/A	14.00	02/20/12 13:06	7.01	14.00	
GW0412	02/13/12 10:10	02/14/12 09:30	02/20/12 00:00	N/A	14.00	02/20/12 13:34	7.10	14.00	
GW0414	02/13/12 13:13	02/14/12 09:30	02/20/12 00:00	N/A	14.00	02/20/12 14:03	6.99	14.00	
GW8175-TB	02/13/12 08:00	02/14/12 09:30	02/20/12 00:00	N/A	14.00	02/20/12 09:48	7.03	14.00	
GW0394	02/13/12 14:12	02/15/12 08:30	02/20/12 00:00	N/A	14.00	02/20/12 14:31	6.97	14.00	
GW0413	02/13/12 15:33	02/15/12 08:30	02/20/12 00:00	N/A	14.00	02/20/12 14:59	6.93	14.00	
GW8176-TB	02/14/12 08:00	02/15/12 08:30	02/20/12 00:00	N/A	14.00	02/20/12 11:13	6.09	14.00	
GW0431	02/15/12 10:31	02/16/12 08:20	02/20/12 00:00	N/A	14.00	02/20/12 15:27	5.16	14.00	
GW0432	02/15/12 12:53	02/16/12 08:20	02/20/12 00:00	N/A	14.00	02/20/12 15:56	5.09	14.00	
GW0433	02/15/12 12:53	02/16/12 08:20	02/20/12 00:00	N/A	14.00	02/20/12 16:24	5.10	14.00	
GW0447	02/15/12 12:33	02/16/12 08:20	02/20/12 00:00	N/A	14.00	02/20/12 16:52	5.14	14.00	
GW0471	02/14/12 15:22	02/16/12 08:20	02/20/12 00:00	N/A	14.00	02/20/12 12:38	5.84	14.00	
GW0481	02/14/12 14:56	02/16/12 08:20	02/20/12 00:00	N/A	14.00	02/20/12 17:20	6.06	14.00	
GW8177-TB	02/15/12 08:00	02/16/12 08:20	02/20/12 00:00	N/A	14.00	02/20/12 10:16	5.05	14.00	
GW0434	02/15/12 15:58	02/17/12 08:30	02/21/12 00:00	N/A	14.00	02/21/12 13:07	5.84	14.00	
GW0445	02/16/12 11:13	02/17/12 08:30	02/23/12 00:00	N/A	14.00	02/23/12 19:01	7.28	14.00	
GW0446	02/15/12 15:03	02/17/12 08:30	02/23/12 00:00	N/A	14.00	02/23/12 16:11	8.01	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

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
GW0469	02/16/12 14:12	02/17/12 08:30	02/21/12 00:00	N/A	14.00	02/21/12 15:56	5.03	14.00	
GW0470	02/16/12 11:54	02/17/12 08:30	02/21/12 00:00	N/A	14.00	02/21/12 13:35	5.03	14.00	
GW8178-TB	02/16/12 08:00	02/17/12 08:30	02/21/12 00:00	N/A	14.00	02/21/12 11:42	5.11	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01	File ID:	0208401.D
Sampled:	02/09/12 14:57	Prepared:	02/15/12 15:00	Analyzed:	02/21/12 18:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B15010 Sequence: 2B05311 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	Y, U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, U

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01	File ID:	0208401.D
Sampled:	02/09/12 14:57	Prepared:	02/15/12 15:00	Analyzed:	02/21/12 18:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B15010 Sequence: 2B05311 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.08	1.20	2.40	4.81	J
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	42.40	88.2	50 - 110	
2-Fluorophenol	96.15	40.32	41.9	20 - 110	
Nitrobenzene-d5	48.08	41.85	87.0	40 - 110	
Phenol-d6	96.15	21.79	22.7	0 - 110	
Terphenyl-d14	48.08	45.55	94.7	50 - 135	
2,4,6-Tribromophenol	96.15	83.84	87.2	40 - 125	

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03	File ID:	0208403.D
Sampled:	02/09/12 15:01	Prepared:	02/15/12 15:00	Analyzed:	02/21/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B15010 Sequence: 2B05311 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	Y, U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	X, U

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03	File ID:	0208403.D
Sampled:	02/09/12 15:01	Prepared:	02/15/12 15:00	Analyzed:	02/21/12 18:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B15010 Sequence: 2B05311 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	40.55	84.3	50 - 110	
2-Fluorophenol	96.15	39.68	41.3	20 - 110	
Nitrobenzene-d5	48.08	42.25	87.9	40 - 110	
Phenol-d6	96.15	21.84	22.7	0 - 110	
Terphenyl-d14	48.08	41.68	86.7	50 - 135	
2,4,6-Tribromophenol	96.15	84.13	87.5	40 - 125	

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05	File ID:	0208405.D
Sampled:	02/10/12 13:00	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 03:02
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

GW0441

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05	File ID:	0208405.D
Sampled:	02/10/12 13:00	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 03:02
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	39.89	81.4	50 - 110	
2-Fluorophenol	98.04	37.58	38.3	20 - 110	
Nitrobenzene-d5	49.02	39.85	81.3	40 - 110	
Phenol-d6	98.04	20.32	20.7	0 - 110	
Terphenyl-d14	49.02	55.88	114	50 - 135	X
2,4,6-Tribromophenol	98.04	83.84	85.5	40 - 125	

ANALYSIS DATA SHEET

GW0442

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07	File ID:	0208407.D
Sampled:	02/10/12 09:26	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 03:33
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		1.25	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

GW0442

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07	File ID:	0208407.D
Sampled:	02/10/12 09:26	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 03:33
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		1.25	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	41.36	82.7	50 - 110	
2-Fluorophenol	100.0	41.74	41.7	20 - 110	
Nitrobenzene-d5	50.00	44.98	90.0	40 - 110	
Phenol-d6	100.0	23.36	23.4	0 - 110	
Terphenyl-d14	50.00	56.17	112	50 - 135	X
2,4,6-Tribromophenol	100.0	85.84	85.8	40 - 125	

ANALYSIS DATA SHEET

GW0443

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09	File ID:	0208409.D
Sampled:	02/10/12 09:26	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 04:03
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

GW0443

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09	File ID:	0208409.D
Sampled:	02/10/12 09:26	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 04:03
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	43.66	89.1	50 - 110	
2-Fluorophenol	98.04	38.87	39.6	20 - 110	
Nitrobenzene-d5	49.02	44.93	91.7	40 - 110	
Phenol-d6	98.04	22.29	22.7	0 - 110	
Terphenyl-d14	49.02	50.94	104	50 - 135	X
2,4,6-Tribromophenol	98.04	88.59	90.4	40 - 125	

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11	File ID:	0208411.D
Sampled:	02/10/12 11:47	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 04:34
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

GW0480

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11	File ID:	0208411.D
Sampled:	02/10/12 11:47	Prepared:	02/14/12 15:00	Analyzed:	02/19/12 04:34
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	1.58	1.23	2.45	4.90	J
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	36.66	74.8	50 - 110	
2-Fluorophenol	98.04	31.85	32.5	20 - 110	
Nitrobenzene-d5	49.02	36.02	73.5	40 - 110	
Phenol-d6	98.04	18.34	18.7	0 - 110	
Terphenyl-d14	49.02	52.60	107	50 - 135	X
2,4,6-Tribromophenol	98.04	82.88	84.5	40 - 125	

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01	File ID:	0209601.D
Sampled:	02/13/12 11:48	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 15:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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

GW0391

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01	File ID:	0209601.D
Sampled:	02/13/12 11:48	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 15:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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	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	40.15	81.9	50 - 110	
2-Fluorophenol	98.04	33.34	34.0	20 - 110	
Nitrobenzene-d5	49.02	43.12	88.0	40 - 110	
Phenol-d6	98.04	16.96	17.3	0 - 110	
Terphenyl-d14	49.02	56.74	116	50 - 135	
2,4,6-Tribromophenol	98.04	81.93	83.6	40 - 125	

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03	File ID:	0209603.D
Sampled:	02/13/12 10:10	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 15:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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

GW0412

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03	File ID:	0209603.D
Sampled:	02/13/12 10:10	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 15:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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	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	41.71	83.4	50 - 110	
2-Fluorophenol	100.0	32.96	33.0	20 - 110	
Nitrobenzene-d5	50.00	41.99	84.0	40 - 110	
Phenol-d6	100.0	17.62	17.6	0 - 110	
Terphenyl-d14	50.00	53.58	107	50 - 135	
2,4,6-Tribromophenol	100.0	88.81	88.8	40 - 125	

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05	File ID:	0209605.D
Sampled:	02/13/12 13:13	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 16:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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

GW0414

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05	File ID:	0209605.D
Sampled:	02/13/12 13:13	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 16:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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	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	36.39	74.2	50 - 110	
2-Fluorophenol	98.04	27.85	28.4	20 - 110	
Nitrobenzene-d5	49.02	36.62	74.7	40 - 110	
Phenol-d6	98.04	15.27	15.6	0 - 110	
Terphenyl-d14	49.02	49.76	102	50 - 135	
2,4,6-Tribromophenol	98.04	73.13	74.6	40 - 125	

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01	File ID:	0209901.D
Sampled:	02/13/12 14:12	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 17:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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

GW0394

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01	File ID:	0209901.D
Sampled:	02/13/12 14:12	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 17:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	34.13	69.6	50 - 110	
2-Fluorophenol	98.04	25.80	26.3	20 - 110	
Nitrobenzene-d5	49.02	33.03	67.4	40 - 110	
Phenol-d6	98.04	13.32	13.6	0 - 110	
Terphenyl-d14	49.02	54.41	111	50 - 135	
2,4,6-Tribromophenol	98.04	73.67	75.1	40 - 125	

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03	File ID:	0209903.D
Sampled:	02/13/12 15:33	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 17:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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

GW0413

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03	File ID:	0209903.D
Sampled:	02/13/12 15:33	Prepared:	02/17/12 15:55	Analyzed:	02/18/12 17:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17021 Sequence: 2B05211 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	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	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	41.34	84.3	50 - 110	
2-Fluorophenol	98.04	30.53	31.1	20 - 110	
Nitrobenzene-d5	49.02	42.69	87.1	40 - 110	
Phenol-d6	98.04	16.70	17.0	0 - 110	
Terphenyl-d14	49.02	45.45	92.7	50 - 135	
2,4,6-Tribromophenol	98.04	82.30	83.9	40 - 125	

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01	File ID:	0211601.D
Sampled:	02/15/12 10:31	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 18:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	Y, U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	Y, U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01	File ID:	0211601.D
Sampled:	02/15/12 10:31	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 18:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	Y, U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	42.22	87.8	50 - 110	
2-Fluorophenol	96.15	35.44	36.9	20 - 110	
Nitrobenzene-d5	48.08	43.01	89.5	40 - 110	
Phenol-d6	96.15	19.67	20.5	0 - 110	
Terphenyl-d14	48.08	64.11	133	50 - 135	
2,4,6-Tribromophenol	96.15	90.67	94.3	40 - 125	

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03	File ID:	0211603.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 18:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	Y, U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	Y, U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03	File ID:	0211603.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 18:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	Y, U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	43.16	89.8	50 - 110	
2-Fluorophenol	96.15	36.48	37.9	20 - 110	
Nitrobenzene-d5	48.08	47.53	98.9	40 - 110	
Phenol-d6	96.15	24.07	25.0	0 - 110	
Terphenyl-d14	48.08	66.37	138	50 - 135	*
2,4,6-Tribromophenol	96.15	89.61	93.2	40 - 125	

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05	File ID:	0211605.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 19:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 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	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	Y, 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	Q, 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	Y, 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

GW0433

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05	File ID:	0211605.D
Sampled:	02/15/12 12:53	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 19:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 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	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	Y, 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	38.81	79.2	50 - 110	
2-Fluorophenol	98.04	29.95	30.5	20 - 110	
Nitrobenzene-d5	49.02	40.72	83.1	40 - 110	
Phenol-d6	98.04	19.04	19.4	0 - 110	
Terphenyl-d14	49.02	78.21	160	50 - 135	*
2,4,6-Tribromophenol	98.04	78.28	79.8	40 - 125	

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07	File ID:	0211607.D
Sampled:	02/15/12 12:33	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 19:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	Y, U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	Y, U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07	File ID:	0211607.D
Sampled:	02/15/12 12:33	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 19:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	Y, U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	38.15	79.4	50 - 110	
2-Fluorophenol	96.15	36.41	37.9	20 - 110	
Nitrobenzene-d5	48.08	42.20	87.8	40 - 110	
Phenol-d6	96.15	21.03	21.9	0 - 110	
Terphenyl-d14	48.08	66.21	138	50 - 135	*
2,4,6-Tribromophenol	96.15	79.62	82.8	40 - 125	

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09	File ID:	0211609.D
Sampled:	02/14/12 15:22	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 20:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 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	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	23.4	46.7	U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	Y, U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	Q, U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	Y, U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09	File ID:	0211609.D
Sampled:	02/14/12 15:22	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 20:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.17	2.34	4.67	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.17	2.34	4.67	U
206-44-0	Fluoranthene		1.17	2.34	4.67	U
86-73-7	Fluorene		1.17	2.34	4.67	U
118-74-1	Hexachlorobenzene		1.17	2.34	4.67	U
87-68-3	Hexachlorobutadiene		1.17	2.34	4.67	U
77-47-4	Hexachlorocyclopentadiene		1.17	2.34	4.67	U
67-72-1	Hexachloroethane		1.17	2.34	4.67	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.17	2.34	4.67	U
78-59-1	Isophorone		1.17	2.34	4.67	U
90-12-0	1-Methylnaphthalene		1.17	2.34	4.67	U
91-57-6	2-Methylnaphthalene		1.17	2.34	4.67	U
95-48-7	2-Methylphenol		1.17	2.34	4.67	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.17	2.34	4.67	Y, U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	42.90	91.8	50 - 110	
2-Fluorophenol	93.46	37.77	40.4	20 - 110	
Nitrobenzene-d5	46.73	47.13	101	40 - 110	
Phenol-d6	93.46	20.45	21.9	0 - 110	
Terphenyl-d14	46.73	62.63	134	50 - 135	
2,4,6-Tribromophenol	93.46	95.91	103	40 - 125	

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11	File ID:	0211611.D
Sampled:	02/14/12 14:56	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 20:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 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	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	Y, U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	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	Y, 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	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11	File ID:	0211611.D
Sampled:	02/14/12 14:56	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 20:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.97	1.18	2.36	4.72	J
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	Y, 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	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	38.23	81.1	50 - 110	
2-Fluorophenol	94.34	32.57	34.5	20 - 110	
Nitrobenzene-d5	47.17	41.46	87.9	40 - 110	
Phenol-d6	94.34	18.63	19.8	0 - 110	
Terphenyl-d14	47.17	64.82	137	50 - 135	*
2,4,6-Tribromophenol	94.34	82.67	87.6	40 - 125	

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01	File ID:	0212701.D
Sampled:	02/15/12 15:58	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 21:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 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	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	Y, 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	Q, 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	Y, 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

GW0434

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01	File ID:	0212701.D
Sampled:	02/15/12 15:58	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 21:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 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	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	Y, 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	37.16	75.8	50 - 110	
2-Fluorophenol	98.04	33.93	34.6	20 - 110	
Nitrobenzene-d5	49.02	38.95	79.5	40 - 110	
Phenol-d6	98.04	19.73	20.1	0 - 110	
Terphenyl-d14	49.02	64.13	131	50 - 135	
2,4,6-Tribromophenol	98.04	80.19	81.8	40 - 125	

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03	File ID:	0212703.D
Sampled:	02/16/12 11:13	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 21:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 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	27.9	1.25	2.50	5.00	
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	Y, U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Y, 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

GW0445

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03	File ID:	0212703.D
Sampled:	02/16/12 11:13	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 21:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 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	3.32	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	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	Y, 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	26.51	53.0	50 - 110	
2-Fluorophenol	100.0	36.15	36.1	20 - 110	
Nitrobenzene-d5	50.00	49.65	99.3	40 - 110	
Phenol-d6	100.0	55.56	55.6	0 - 110	
Terphenyl-d14	50.00	66.68	133	50 - 135	
2,4,6-Tribromophenol	100.0	96.55	96.5	40 - 125	

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05RE1	File ID:	0212705R.D
Sampled:	02/15/12 15:03	Prepared:	02/20/12 11:10	Analyzed:	02/25/12 01:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

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	Y, 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	Q, 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	X, 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	Y, 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

GW0446

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05RE1	File ID:	0212705R.D
Sampled:	02/15/12 15:03	Prepared:	02/20/12 11:10	Analyzed:	02/25/12 01:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	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	6.36	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	4.26	1.23	2.45	4.90	J
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	Y, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	Y, U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Y, 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	42.25	86.2	50 - 110	
2-Fluorophenol	98.04	27.83	28.4	20 - 110	
Nitrobenzene-d5	49.02	37.47	76.4	40 - 110	Y
Phenol-d6	98.04	18.06	18.4	0 - 110	
Terphenyl-d14	49.02	48.06	98.0	50 - 135	
2,4,6-Tribromophenol	98.04	101.0	103	40 - 125	X

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07	File ID:	0212707.D
Sampled:	02/16/12 14:12	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 22:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 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	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	Y, U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	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	Y, 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	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07	File ID:	0212707.D
Sampled:	02/16/12 14:12	Prepared:	02/20/12 11:10	Analyzed:	02/22/12 22:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B20003 Sequence: 2B05403 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol	13.8	1.18	2.36	4.72	Y
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	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	43.01	91.2	50 - 110	
2-Fluorophenol	94.34	42.37	44.9	20 - 110	
Nitrobenzene-d5	47.17	53.15	113	40 - 110	*
Phenol-d6	94.34	24.13	25.6	0 - 110	
Terphenyl-d14	47.17	58.85	125	50 - 135	
2,4,6-Tribromophenol	94.34	109.7	116	40 - 125	

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09	File ID:	0212709.D
Sampled:	02/16/12 11:54	Prepared:	02/21/12 12:00	Analyzed:	02/24/12 18:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	Q, U
208-96-8	Acenaphthylene		1.23	2.45	4.90	Q, U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	Q, 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	Q, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	N, Q, U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	Q, 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	Y, U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	Q, 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		1.23	2.45	4.90	N, Q, U
86-74-8	Carbazole		1.23	2.45	4.90	N, Q, 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	Q, 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	Q, 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	Q, 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	Q, U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	Q, X, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	Q, 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	Y, 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	N, Q, U

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09	File ID:	0212709.D
Sampled:	02/16/12 11:54	Prepared:	02/21/12 12:00	Analyzed:	02/24/12 18:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

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	N, Q, 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	Q, 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	N, Y, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	Y, U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Y, 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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	43.02	87.8	50 - 110	
2-Fluorophenol	98.04	4.348	4.43	20 - 110	*
Nitrobenzene-d5	49.02	34.32	70.0	40 - 110	Y
Phenol-d6	98.04	7.716	7.87	0 - 110	
Terphenyl-d14	49.02	58.83	120	50 - 135	
2,4,6-Tribromophenol	98.04	15.92	16.2	40 - 125	*X

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09RE1	File ID:	0212709R.D
Sampled:	02/16/12 11:54	Prepared:	02/27/12 12:42	Analyzed:	02/29/12 17:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27016 Sequence: 2C06122 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	H2, U
208-96-8	Acenaphthylene		1.23	2.45	4.90	H2, U
98-86-2	Acetophenone		1.23	2.45	4.90	H2, U
120-12-7	Anthracene		1.23	2.45	4.90	H2, U
1912-24-9	Atrazine		1.23	2.45	4.90	H2, U
100-52-7	Benzaldehyde		1.23	2.45	4.90	H2, U
92-87-5	Benzidine		12.3	24.5	49.0	H2, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	H2, U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	H2, U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	H2, U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	H2, U
65-85-0	Benzoic acid		12.3	24.5	49.0	H2, U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	H2, U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	H2, U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	H2, U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	H2, U
105-60-2	Caprolactam		1.23	2.45	4.90	H2, Q, U
86-74-8	Carbazole		1.23	2.45	4.90	H2, U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	H2, U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	H2, U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	H2, U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	H2, U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	Y, H2, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	H2, U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	H2, U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	H2, U
218-01-9	Chrysene		1.23	2.45	4.90	H2, U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	H2, U
132-64-9	Dibenzofuran		1.23	2.45	4.90	H2, U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	H2, U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	H2, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	H2, U
84-66-2	Diethylphthalate	2.59	1.23	2.45	4.90	H2, J
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	H2, U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	H2, U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	H2, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	H2, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	H2, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	H2, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	H2, U

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09RE1	File ID:	0212709R.D
Sampled:	02/16/12 11:54	Prepared:	02/27/12 12:42	Analyzed:	02/29/12 17:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27016 Sequence: 2C06122 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	H2, U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	H2, U
206-44-0	Fluoranthene		1.23	2.45	4.90	H2, U
86-73-7	Fluorene		1.23	2.45	4.90	H2, U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	H2, U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	H2, U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	H2, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	H2, N, U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	H2, U
78-59-1	Isophorone		1.23	2.45	4.90	H2, U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	H2, U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	H2, U
95-48-7	2-Methylphenol		1.23	2.45	4.90	H2, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	H2, U
91-20-3	Naphthalene		1.23	2.45	4.90	H2, U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	H2, U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	H2, U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	H2, U
98-95-3	Nitrobenzene		1.23	2.45	4.90	H2, U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	H2, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	H2, U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	H2, U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	H2, U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	H2, U
85-01-8	Phenanthrene		1.23	2.45	4.90	H2, U
108-95-2	Phenol		1.23	2.45	4.90	H2, U
129-00-0	Pyrene		1.23	2.45	4.90	H2, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	H2, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	H2, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	39.77	81.1	50 - 110	H2
2-Fluorophenol	98.04	33.37	34.0	20 - 110	H2
Nitrobenzene-d5	49.02	36.53	74.5	40 - 110	H2
Phenol-d6	98.04	18.19	18.5	0 - 110	H2
Terphenyl-d14	49.02	63.39	129	50 - 135	H2
2,4,6-Tribromophenol	98.04	92.07	93.9	40 - 125	H2

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05211	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05211-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/18/12 13:26		
2-Fluorobiphenyl	50.00	101	80 - 120	8.442	8.442	0.0000	+/-0.500	
2-Fluorophenol	100.0	100	80 - 120	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	101	80 - 120	6.133	6.133	0.0000	+/-0.500	
Phenol-d6	100.0	94.8	80 - 120	5.013	5.013	0.0000	+/-0.500	
Terphenyl-d14	50.00	114	80 - 120	13.06	13.06	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	99.6	80 - 120	10.239	10.239	0.0000	+/-0.500	
Blank (2B17021-BLK1) ug/L				Lab File ID: B17021B1.D		Analyzed: 02/18/12 14:27		
2-Fluorobiphenyl	50.00	84.9	50 - 110	8.436	8.442	-0.0060	+/-0.500	
2-Fluorophenol	100.0	39.6	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	91.5	40 - 110	6.128	6.133	-0.0050	+/-0.500	
Phenol-d6	100.0	20.9	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	50.00	117	50 - 135	13.064	13.06	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	86.6	40 - 125	10.231	10.239	-0.0080	+/-0.500	
LCS (2B17021-BS1) ug/L				Lab File ID: B17021L1.D		Analyzed: 02/18/12 14:58		
2-Fluorobiphenyl	50.00	95.0	50 - 110	8.441	8.442	-0.0010	+/-0.500	
2-Fluorophenol	100.0	33.9	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	81.2	40 - 110	6.143	6.133	0.0100	+/-0.500	
Phenol-d6	100.0	17.5	0 - 110	4.992	5.013	-0.0210	+/-0.500	
Terphenyl-d14	50.00	118	50 - 135	13.06	13.06	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	89.0	40 - 125	10.235	10.239	-0.0040	+/-0.500	
GW0391 (1202096-01) ug/L				Lab File ID: 0209601.D		Analyzed: 02/18/12 15:29		
2-Fluorobiphenyl	49.02	81.9	50 - 110	8.428	8.442	-0.0140	+/-0.500	
2-Fluorophenol	98.04	34.0	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	88.0	40 - 110	6.129	6.133	-0.0040	+/-0.500	
Phenol-d6	98.04	17.3	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	49.02	116	50 - 135	13.067	13.06	0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	83.6	40 - 125	10.222	10.239	-0.0170	+/-0.500	
GW0412 (1202096-03) ug/L				Lab File ID: 0209603.D		Analyzed: 02/18/12 15:59		
2-Fluorobiphenyl	50.00	83.4	50 - 110	8.438	8.442	-0.0040	+/-0.500	
2-Fluorophenol	100.0	33.0	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	84.0	40 - 110	6.128	6.133	-0.0050	+/-0.500	
Phenol-d6	100.0	17.6	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	50.00	107	50 - 135	13.068	13.06	0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	88.8	40 - 125	10.223	10.239	-0.0160	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05211	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0414 (1202096-05) ug/L				Lab File ID: 0209605.D		Analyzed: 02/18/12 16:30		
2-Fluorobiphenyl	49.02	74.2	50 - 110	8.438	8.442	-0.0040	+/-0.500	
2-Fluorophenol	98.04	28.4	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	74.7	40 - 110	6.129	6.133	-0.0040	+/-0.500	
Phenol-d6	98.04	15.6	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	49.02	102	50 - 135	13.06	13.06	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	74.6	40 - 125	10.224	10.239	-0.0150	+/-0.500	
GW0394 (1202099-01) ug/L				Lab File ID: 0209901.D		Analyzed: 02/18/12 17:00		
2-Fluorobiphenyl	49.02	69.6	50 - 110	8.435	8.442	-0.0070	+/-0.500	
2-Fluorophenol	98.04	26.3	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	67.4	40 - 110	6.127	6.133	-0.0060	+/-0.500	
Phenol-d6	98.04	13.6	0 - 110	4.983	5.013	-0.0300	+/-0.500	
Terphenyl-d14	49.02	111	50 - 135	13.063	13.06	0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	75.1	40 - 125	10.23	10.239	-0.0090	+/-0.500	
GW0413 (1202099-03) ug/L				Lab File ID: 0209903.D		Analyzed: 02/18/12 17:31		
2-Fluorobiphenyl	49.02	84.3	50 - 110	8.437	8.442	-0.0050	+/-0.500	
2-Fluorophenol	98.04	31.1	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	87.1	40 - 110	6.128	6.133	-0.0050	+/-0.500	
Phenol-d6	98.04	17.0	0 - 110	4.983	5.013	-0.0300	+/-0.500	
Terphenyl-d14	49.02	92.7	50 - 135	13.058	13.06	-0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	83.9	40 - 125	10.223	10.239	-0.0160	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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	
GW0441 (1202084-05) ug/L				Lab File ID: 0208405.D		Analyzed: 02/19/12 03:02		
2-Fluorobiphenyl	49.02	81.4	50 - 110	8.438	8.443	-0.0050	+/-0.500	
2-Fluorophenol	98.04	38.3	20 - 110	3.82	3.829	-0.0090	+/-0.500	
Nitrobenzene-d5	49.02	81.3	40 - 110	6.129	6.142	-0.0130	+/-0.500	
Phenol-d6	98.04	20.7	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	49.02	114	50 - 135	13.07	13.062	0.0080	+/-0.500	
2,4,6-Tribromophenol	98.04	85.5	40 - 125	10.235	10.238	-0.0030	+/-0.500	
GW0442 (1202084-07) ug/L				Lab File ID: 0208407.D		Analyzed: 02/19/12 03:33		
2-Fluorobiphenyl	50.00	82.7	50 - 110	8.441	8.443	-0.0020	+/-0.500	
2-Fluorophenol	100.0	41.7	20 - 110	3.821	3.829	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	90.0	40 - 110	6.135	6.142	-0.0070	+/-0.500	
Phenol-d6	100.0	23.4	0 - 110	4.987	5.013	-0.0260	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	13.071	13.062	0.0090	+/-0.500	
2,4,6-Tribromophenol	100.0	85.8	40 - 125	10.233	10.238	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
GW0443 (1202084-09) ug/L				Lab File ID: 0208409.D		Analyzed: 02/19/12 04:03		
2-Fluorobiphenyl	49.02	89.1	50 - 110	8.44	8.443	-0.0030	+/-0.500	
2-Fluorophenol	98.04	39.6	20 - 110	3.821	3.829	-0.0080	+/-0.500	
Nitrobenzene-d5	49.02	91.7	40 - 110	6.134	6.142	-0.0080	+/-0.500	
Phenol-d6	98.04	22.7	0 - 110	4.987	5.013	-0.0260	+/-0.500	
Terphenyl-d14	49.02	104	50 - 135	13.069	13.062	0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	90.4	40 - 125	10.232	10.238	-0.0060	+/-0.500	
GW0480 (1202084-11) ug/L				Lab File ID: 0208411.D		Analyzed: 02/19/12 04:34		
2-Fluorobiphenyl	49.02	74.8	50 - 110	8.438	8.443	-0.0050	+/-0.500	
2-Fluorophenol	98.04	32.5	20 - 110	3.82	3.829	-0.0090	+/-0.500	
Nitrobenzene-d5	49.02	73.5	40 - 110	6.129	6.142	-0.0130	+/-0.500	
Phenol-d6	98.04	18.7	0 - 110	4.984	5.013	-0.0290	+/-0.500	
Terphenyl-d14	49.02	107	50 - 135	13.069	13.062	0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	84.5	40 - 125	10.224	10.238	-0.0140	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05311	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05311-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/21/12 15:27		
2-Fluorobiphenyl	50.00	98.6	80 - 120	8.416	8.416	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.1	80 - 120	3.811	3.811	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	99.8	80 - 120	6.125	6.125	0.0000	+/-0.500	
Phenol-d6	100.0	93.4	80 - 120	4.995	4.995	0.0000	+/-0.500	
Terphenyl-d14	50.00	114	80 - 120	13.039	13.039	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	97.5	80 - 120	10.216	10.216	0.0000	+/-0.500	
Blank (2B15010-BLK1) ug/L				Lab File ID: B15010B1.D		Analyzed: 02/21/12 16:28		
2-Fluorobiphenyl	50.00	83.3	50 - 110	8.412	8.416	-0.0040	+/-0.500	
2-Fluorophenol	100.0	41.3	20 - 110	3.801	3.811	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	88.9	40 - 110	6.111	6.125	-0.0140	+/-0.500	
Phenol-d6	100.0	24.1	0 - 110	4.966	4.995	-0.0290	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	13.036	13.039	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	92.7	40 - 125	10.2	10.216	-0.0160	+/-0.500	
LCS (2B15010-BS1) ug/L				Lab File ID: B15010L1.D		Analyzed: 02/21/12 16:59		
2-Fluorobiphenyl	50.00	98.8	50 - 110	8.421	8.416	0.0050	+/-0.500	
2-Fluorophenol	100.0	50.7	20 - 110	3.812	3.811	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	92.9	40 - 110	6.127	6.125	0.0020	+/-0.500	
Phenol-d6	100.0	29.0	0 - 110	4.986	4.995	-0.0090	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	13.036	13.039	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	91.7	40 - 125	10.22	10.216	0.0040	+/-0.500	
GW0407 (1202084-01) ug/L				Lab File ID: 0208401.D		Analyzed: 02/21/12 18:00		
2-Fluorobiphenyl	48.08	88.2	50 - 110	8.404	8.416	-0.0120	+/-0.500	
2-Fluorophenol	96.15	41.9	20 - 110	3.801	3.811	-0.0100	+/-0.500	
Nitrobenzene-d5	48.08	87.0	40 - 110	6.102	6.125	-0.0230	+/-0.500	
Phenol-d6	96.15	22.7	0 - 110	4.957	4.995	-0.0380	+/-0.500	
Terphenyl-d14	48.08	94.7	50 - 135	13.038	13.039	-0.0010	+/-0.500	
2,4,6-Tribromophenol	96.15	87.2	40 - 125	10.202	10.216	-0.0140	+/-0.500	
GW0415 (1202084-03) ug/L				Lab File ID: 0208403.D		Analyzed: 02/21/12 18:30		
2-Fluorobiphenyl	48.08	84.3	50 - 110	8.411	8.416	-0.0050	+/-0.500	
2-Fluorophenol	96.15	41.3	20 - 110	3.801	3.811	-0.0100	+/-0.500	
Nitrobenzene-d5	48.08	87.9	40 - 110	6.111	6.125	-0.0140	+/-0.500	
Phenol-d6	96.15	22.7	0 - 110	4.966	4.995	-0.0290	+/-0.500	
Terphenyl-d14	48.08	86.7	50 - 135	13.034	13.039	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	87.5	40 - 125	10.197	10.216	-0.0190	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05403	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05403-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/22/12 11:32		
2-Fluorobiphenyl	50.00	98.5	80 - 120	8.426	8.426	0.0000	+/-0.500	
2-Fluorophenol	100.0	93.1	80 - 120	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	103	80 - 120	6.134	6.134	0.0000	+/-0.500	
Phenol-d6	100.0	94.7	80 - 120	5.014	5.014	0.0000	+/-0.500	
Terphenyl-d14	50.00	111	80 - 120	13.044	13.044	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	97.6	80 - 120	10.221	10.221	0.0000	+/-0.500	
Blank (2B20003-BLK1) ug/L				Lab File ID: B20003B1.D		Analyzed: 02/22/12 17:06		
2-Fluorobiphenyl	50.00	85.2	50 - 110	8.422	8.426	-0.0040	+/-0.500	
2-Fluorophenol	100.0	45.6	20 - 110	3.811	3.82	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	96.4	40 - 110	6.121	6.134	-0.0130	+/-0.500	
Phenol-d6	100.0	26.4	0 - 110	4.976	5.014	-0.0380	+/-0.500	
Terphenyl-d14	50.00	127	50 - 135	13.048	13.044	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	97.8	40 - 125	10.21	10.221	-0.0110	+/-0.500	
LCS (2B20003-BS1) ug/L				Lab File ID: B20003L1.D		Analyzed: 02/22/12 17:37		
2-Fluorobiphenyl	50.00	91.9	50 - 110	8.429	8.426	0.0030	+/-0.500	
2-Fluorophenol	100.0	43.2	20 - 110	3.822	3.82	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	84.5	40 - 110	6.136	6.134	0.0020	+/-0.500	
Phenol-d6	100.0	25.0	0 - 110	4.997	5.014	-0.0170	+/-0.500	
Terphenyl-d14	50.00	129	50 - 135	13.052	13.044	0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	89.6	40 - 125	10.228	10.221	0.0070	+/-0.500	
GW0431 (1202116-01) ug/L				Lab File ID: 0211601.D		Analyzed: 02/22/12 18:07		
2-Fluorobiphenyl	48.08	87.8	50 - 110	8.418	8.426	-0.0080	+/-0.500	
2-Fluorophenol	96.15	36.9	20 - 110	3.812	3.82	-0.0080	+/-0.500	
Nitrobenzene-d5	48.08	89.5	40 - 110	6.124	6.134	-0.0100	+/-0.500	
Phenol-d6	96.15	20.5	0 - 110	4.977	5.014	-0.0370	+/-0.500	
Terphenyl-d14	48.08	133	50 - 135	13.049	13.044	0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	94.3	40 - 125	10.218	10.221	-0.0030	+/-0.500	
GW0432 (1202116-03) ug/L				Lab File ID: 0211603.D		Analyzed: 02/22/12 18:37		
2-Fluorobiphenyl	48.08	89.8	50 - 110	8.421	8.426	-0.0050	+/-0.500	
2-Fluorophenol	96.15	37.9	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	98.9	40 - 110	6.12	6.134	-0.0140	+/-0.500	
Phenol-d6	96.15	25.0	0 - 110	4.975	5.014	-0.0390	+/-0.500	
Terphenyl-d14	48.08	138	50 - 135	13.046	13.044	0.0020	+/-0.500	*
2,4,6-Tribromophenol	96.15	93.2	40 - 125	10.208	10.221	-0.0130	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05403	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0433 (1202116-05) ug/L				Lab File ID: 0211605.D		Analyzed: 02/22/12 19:08		
2-Fluorobiphenyl	49.02	79.2	50 - 110	8.42	8.426	-0.0060	+/-0.500	
2-Fluorophenol	98.04	30.5	20 - 110	3.81	3.82	-0.0100	+/-0.500	
Nitrobenzene-d5	49.02	83.1	40 - 110	6.12	6.134	-0.0140	+/-0.500	
Phenol-d6	98.04	19.4	0 - 110	4.975	5.014	-0.0390	+/-0.500	
Terphenyl-d14	49.02	160	50 - 135	13.045	13.044	0.0010	+/-0.500	*
2,4,6-Tribromophenol	98.04	79.8	40 - 125	10.207	10.221	-0.0140	+/-0.500	
GW0447 (1202116-07) ug/L				Lab File ID: 0211607.D		Analyzed: 02/22/12 19:38		
2-Fluorobiphenyl	48.08	79.4	50 - 110	8.421	8.426	-0.0050	+/-0.500	
2-Fluorophenol	96.15	37.9	20 - 110	3.81	3.82	-0.0100	+/-0.500	
Nitrobenzene-d5	48.08	87.8	40 - 110	6.121	6.134	-0.0130	+/-0.500	
Phenol-d6	96.15	21.9	0 - 110	4.975	5.014	-0.0390	+/-0.500	
Terphenyl-d14	48.08	138	50 - 135	13.047	13.044	0.0030	+/-0.500	*
2,4,6-Tribromophenol	96.15	82.8	40 - 125	10.208	10.221	-0.0130	+/-0.500	
GW0471 (1202116-09) ug/L				Lab File ID: 0211609.D		Analyzed: 02/22/12 20:09		
2-Fluorobiphenyl	46.73	91.8	50 - 110	8.42	8.426	-0.0060	+/-0.500	
2-Fluorophenol	93.46	40.4	20 - 110	3.81	3.82	-0.0100	+/-0.500	
Nitrobenzene-d5	46.73	101	40 - 110	6.12	6.134	-0.0140	+/-0.500	
Phenol-d6	93.46	21.9	0 - 110	4.975	5.014	-0.0390	+/-0.500	
Terphenyl-d14	46.73	134	50 - 135	13.043	13.044	-0.0010	+/-0.500	
2,4,6-Tribromophenol	93.46	103	40 - 125	10.216	10.221	-0.0050	+/-0.500	
GW0481 (1202116-11) ug/L				Lab File ID: 0211611.D		Analyzed: 02/22/12 20:40		
2-Fluorobiphenyl	47.17	81.1	50 - 110	8.423	8.426	-0.0030	+/-0.500	
2-Fluorophenol	94.34	34.5	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	47.17	87.9	40 - 110	6.121	6.134	-0.0130	+/-0.500	
Phenol-d6	94.34	19.8	0 - 110	4.976	5.014	-0.0380	+/-0.500	
Terphenyl-d14	47.17	137	50 - 135	13.051	13.044	0.0070	+/-0.500	*
2,4,6-Tribromophenol	94.34	87.6	40 - 125	10.211	10.221	-0.0100	+/-0.500	
GW0434 (1202127-01) ug/L				Lab File ID: 0212701.D		Analyzed: 02/22/12 21:11		
2-Fluorobiphenyl	49.02	75.8	50 - 110	8.421	8.426	-0.0050	+/-0.500	
2-Fluorophenol	98.04	34.6	20 - 110	3.82	3.82	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	79.5	40 - 110	6.121	6.134	-0.0130	+/-0.500	
Phenol-d6	98.04	20.1	0 - 110	4.975	5.014	-0.0390	+/-0.500	
Terphenyl-d14	49.02	131	50 - 135	13.046	13.044	0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	81.8	40 - 125	10.218	10.221	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05403	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0445 (1202127-03) ug/L				Lab File ID: 0212703.D		Analyzed: 02/22/12 21:41		
2-Fluorobiphenyl	50.00	53.0	50 - 110	8.435	8.426	0.0090	+/-0.500	
2-Fluorophenol	100.0	36.1	20 - 110	4.014	3.82	0.1940	+/-0.500	
Nitrobenzene-d5	50.00	99.3	40 - 110	6.143	6.134	0.0090	+/-0.500	
Phenol-d6	100.0	55.6	0 - 110	5.177	5.014	0.1630	+/-0.500	
Terphenyl-d14	50.00	133	50 - 135	13.047	13.044	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	96.5	40 - 125	10.243	10.221	0.0220	+/-0.500	
GW0469 (1202127-07) ug/L				Lab File ID: 0212707.D		Analyzed: 02/22/12 22:42		
2-Fluorobiphenyl	47.17	91.2	50 - 110	8.429	8.426	0.0030	+/-0.500	
2-Fluorophenol	94.34	44.9	20 - 110	3.866	3.82	0.0460	+/-0.500	
Nitrobenzene-d5	47.17	113	40 - 110	6.13	6.134	-0.0040	+/-0.500	*
Phenol-d6	94.34	25.6	0 - 110	5.017	5.014	0.0030	+/-0.500	
Terphenyl-d14	47.17	125	50 - 135	13.043	13.044	-0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	116	40 - 125	10.233	10.221	0.0120	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05601	Instrument:	MS-BNA3
		Calibration:	2018001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05601-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/24/12 15:46		
2-Fluorobiphenyl	50.00	92.2	80 - 120	8.77	8.77	0.0000	+/-0.500	
2-Fluorophenol	100.0	89.9	80 - 120	4.117	4.117	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	73.8	80 - 120	6.451	6.451	0.0000	+/-0.500	*
Phenol-d6	100.0	88.0	80 - 120	5.313	5.313	0.0000	+/-0.500	
Terphenyl-d14	50.00	98.5	80 - 120	13.572	13.572	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	120	80 - 120	10.607	10.607	0.0000	+/-0.500	
Blank (2B21009-BLK1) ug/L				Lab File ID: B21009B1.D		Analyzed: 02/24/12 16:46		
2-Fluorobiphenyl	50.00	84.9	50 - 110	8.766	8.77	-0.0040	+/-0.500	
2-Fluorophenol	100.0	33.0	20 - 110	4.118	4.117	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	63.2	40 - 110	6.448	6.451	-0.0030	+/-0.500	
Phenol-d6	100.0	18.9	0 - 110	5.299	5.313	-0.0140	+/-0.500	
Terphenyl-d14	50.00	97.6	50 - 135	13.574	13.572	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	86.4	40 - 125	10.598	10.607	-0.0090	+/-0.500	
LCS (2B21009-BS1) ug/L				Lab File ID: B21009L1.D		Analyzed: 02/24/12 17:16		
2-Fluorobiphenyl	50.00	110	50 - 110	8.776	8.77	0.0060	+/-0.500	
2-Fluorophenol	100.0	49.4	20 - 110	4.129	4.117	0.0120	+/-0.500	
Nitrobenzene-d5	50.00	85.8	40 - 110	6.458	6.451	0.0070	+/-0.500	
Phenol-d6	100.0	27.4	0 - 110	5.314	5.313	0.0010	+/-0.500	
Terphenyl-d14	50.00	123	50 - 135	13.579	13.572	0.0070	+/-0.500	
2,4,6-Tribromophenol	100.0	137	40 - 125	10.614	10.607	0.0070	+/-0.500	*
GW0470 (1202127-09) ug/L				Lab File ID: 0212709.D		Analyzed: 02/24/12 18:45		
2-Fluorobiphenyl	49.02	87.8	50 - 110	8.774	8.77	0.0040	+/-0.500	
2-Fluorophenol	98.04	4.43	20 - 110	4.132	4.117	0.0150	+/-0.500	*
Nitrobenzene-d5	49.02	70.0	40 - 110	6.451	6.451	0.0000	+/-0.500	
Phenol-d6	98.04	7.87	0 - 110	5.313	5.313	0.0000	+/-0.500	
Terphenyl-d14	49.02	120	50 - 135	13.577	13.572	0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	16.2	40 - 125	10.607	10.607	0.0000	+/-0.500	*
Matrix Spike (2B21009-MS1) ug/L				Lab File ID: 0212709M.D		Analyzed: 02/24/12 19:15		
2-Fluorobiphenyl	48.08	92.2	50 - 110	8.767	8.77	-0.0030	+/-0.500	
2-Fluorophenol	96.15	41.4	20 - 110	4.125	4.117	0.0080	+/-0.500	
Nitrobenzene-d5	48.08	73.2	40 - 110	6.449	6.451	-0.0020	+/-0.500	
Phenol-d6	96.15	22.7	0 - 110	5.311	5.313	-0.0020	+/-0.500	
Terphenyl-d14	48.08	110	50 - 135	13.575	13.572	0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	113	40 - 125	10.605	10.607	-0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05601	Instrument:	MS-BNA3
		Calibration:	2018001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2B21009-MSD1) ug/L				Lab File ID: 0212709S.D		Analyzed: 02/24/12 19:45		
2-Fluorobiphenyl	50.00	91.2	50 - 110	8.765	8.77	-0.0050	+/-0.500	
2-Fluorophenol	100.0	39.4	20 - 110	4.118	4.117	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	72.1	40 - 110	6.447	6.451	-0.0040	+/-0.500	
Phenol-d6	100.0	22.7	0 - 110	5.309	5.313	-0.0040	+/-0.500	
Terphenyl-d14	50.00	108	50 - 135	13.568	13.572	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	123	40 - 125	10.603	10.607	-0.0040	+/-0.500	
GW0446 (1202127-05RE1) ug/L				Lab File ID: 0212705R.D		Analyzed: 02/25/12 01:41		
2-Fluorobiphenyl	49.02	86.2	50 - 110	8.773	8.77	0.0030	+/-0.500	
2-Fluorophenol	98.04	28.4	20 - 110	4.158	4.117	0.0410	+/-0.500	
Nitrobenzene-d5	49.02	76.4	40 - 110	6.449	6.451	-0.0020	+/-0.500	
Phenol-d6	98.04	18.4	0 - 110	5.349	5.313	0.0360	+/-0.500	
Terphenyl-d14	49.02	98.0	50 - 135	13.576	13.572	0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	103	40 - 125	10.616	10.607	0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06122	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2C06122-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/29/12 15:24		
2-Fluorobiphenyl	50.00	103	80 - 120	8.138	8.138	0.0000	+/-0.500	
2-Fluorophenol	100.0	101	80 - 120	3.523	3.523	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	87.7	80 - 120	5.826	5.826	0.0000	+/-0.500	
Phenol-d6	100.0	101	80 - 120	4.707	4.707	0.0000	+/-0.500	
Terphenyl-d14	50.00	104	80 - 120	12.696	12.696	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	110	80 - 120	9.922	9.922	0.0000	+/-0.500	
LCS (2B27016-BS1) ug/L				Lab File ID: B27016L1.D		Analyzed: 02/29/12 16:56		
2-Fluorobiphenyl	50.00	82.6	50 - 110	8.132	8.138	-0.0060	+/-0.500	
2-Fluorophenol	100.0	36.2	20 - 110	3.519	3.523	-0.0040	+/-0.500	
Nitrobenzene-d5	50.00	69.2	40 - 110	5.812	5.826	-0.0140	+/-0.500	
Phenol-d6	100.0	19.2	0 - 110	4.683	4.707	-0.0240	+/-0.500	
Terphenyl-d14	50.00	96.8	50 - 135	12.694	12.696	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	96.5	40 - 125	9.909	9.922	-0.0130	+/-0.500	
GW0470 (1202127-09RE1) ug/L				Lab File ID: 0212709R.D		Analyzed: 02/29/12 17:56		
2-Fluorobiphenyl	49.02	81.1	50 - 110	8.126	8.138	-0.0120	+/-0.500	
2-Fluorophenol	98.04	34.0	20 - 110	3.531	3.523	0.0080	+/-0.500	
Nitrobenzene-d5	49.02	74.5	40 - 110	5.812	5.826	-0.0140	+/-0.500	
Phenol-d6	98.04	18.5	0 - 110	4.68	4.707	-0.0270	+/-0.500	
Terphenyl-d14	49.02	129	50 - 135	12.692	12.696	-0.0040	+/-0.500	
2,4,6-Tribromophenol	98.04	93.9	40 - 125	9.914	9.922	-0.0080	+/-0.500	
Matrix Spike (2B27016-MS1) ug/L				Lab File ID: 0212709M.D		Analyzed: 02/29/12 18:27		
2-Fluorobiphenyl	50.00	81.3	50 - 110	8.137	8.138	-0.0010	+/-0.500	
2-Fluorophenol	100.0	53.6	20 - 110	3.531	3.523	0.0080	+/-0.500	
Nitrobenzene-d5	50.00	70.4	40 - 110	5.824	5.826	-0.0020	+/-0.500	
Phenol-d6	100.0	33.4	0 - 110	4.691	4.707	-0.0160	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	12.689	12.696	-0.0070	+/-0.500	
2,4,6-Tribromophenol	100.0	95.7	40 - 125	9.915	9.922	-0.0070	+/-0.500	
Matrix Spike Dup (2B27016-MSD1) ug/L				Lab File ID: 0212709S.D		Analyzed: 02/29/12 18:57		
2-Fluorobiphenyl	50.00	72.8	50 - 110	8.129	8.138	-0.0090	+/-0.500	
2-Fluorophenol	100.0	46.1	20 - 110	3.532	3.523	0.0090	+/-0.500	
Nitrobenzene-d5	50.00	62.5	40 - 110	5.814	5.826	-0.0120	+/-0.500	
Phenol-d6	100.0	29.0	0 - 110	4.691	4.707	-0.0160	+/-0.500	
Terphenyl-d14	50.00	113	50 - 135	12.696	12.696	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	91.2	40 - 125	9.918	9.922	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06301	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2C06301-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 03/02/12 15:09		
2-Fluorobiphenyl	50.00	104	80 - 120	8.11	8.11	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	3.505	3.505	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	89.2	80 - 120	5.799	5.799	0.0000	+/-0.500	
Phenol-d6	100.0	104	80 - 120	4.679	4.679	0.0000	+/-0.500	
Terphenyl-d14	50.00	112	80 - 120	12.665	12.665	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	113	80 - 120	9.889	9.889	0.0000	+/-0.500	
Blank (2B27016-BLK3) ug/L				Lab File ID: B27016B1.D		Analyzed: 03/02/12 16:11		
2-Fluorobiphenyl	50.00	69.9	50 - 110	8.096	8.11	-0.0140	+/-0.500	
2-Fluorophenol	100.0	32.6	20 - 110	3.495	3.505	-0.0100	+/-0.500	
Nitrobenzene-d5	50.00	63.1	40 - 110	5.785	5.799	-0.0140	+/-0.500	
Phenol-d6	100.0	17.4	0 - 110	4.65	4.679	-0.0290	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	12.664	12.665	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	85.7	40 - 125	9.874	9.889	-0.0150	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15010	Laboratory ID:	2B15010-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	44.71	89.4	45 - 110
Acenaphthylene	50.00	44.70	89.4	50 - 105
Acetophenone	50.00	44.83	89.7	50 - 110
Anthracene	50.00	45.52	91.0	55 - 110
Atrazine	50.00	43.65	87.3	70 - 115
Benzaldehyde	50.00	40.65	81.3	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	47.53	95.1	55 - 110
Benzo(a)pyrene	50.00	42.17	84.3	55 - 110
Benzo(b)fluoranthene	50.00	46.40	92.8	45 - 120
Benzo(g,h,i)perylene	50.00	41.19	82.4	40 - 125
Benzoic acid	98.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	39.72	79.4	45 - 125
1,1-Biphenyl	50.00	39.71	79.4	50 - 110
4-Bromophenyl-phenylether	50.00	48.14	96.3	50 - 115
Butylbenzylphthalate	50.00	52.30	105	45 - 115
Caprolactam	**50.00**	**7.271**	**14.5**	**20 - 110**
Carbazole	49.00	44.48	90.8	50 - 115
4-Chloro-3-methylphenol	98.00	78.70	80.3	45 - 110
4-Chloroaniline	49.00	32.27	65.9	15 - 110
Bis(2-chloroethoxy)methane	50.00	48.74	97.5	45 - 105
Bis(2-chloroethyl)ether	50.00	44.03	88.1	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	37.77	75.5	25 - 130
2-Chloronaphthalene	50.00	37.82	75.6	50 - 105
2-Chlorophenol	98.00	72.15	73.6	35 - 105
4-Chlorophenyl phenyl ether	50.00	42.81	85.6	50 - 110
Chrysene	50.00	48.93	97.9	55 - 110
Dibenz(a,h)anthracene	50.00	43.34	86.7	40 - 125
Dibenzofuran	50.00	43.68	87.4	55 - 105
Di-n-butylphthalate	50.00	46.49	93.0	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15010	Laboratory ID:	2B15010-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	34.41	68.8	20 - 110
2,4-Dichlorophenol	98.00	80.31	82.0	40 - 110
Diethylphthalate	50.00	46.68	93.4	40 - 120
2,4-Dimethylphenol	98.00	77.16	78.7	30 - 110
Dimethyl phthalate	50.00	49.85	99.7	25 - 125
4,6-Dinitro-2-methylphenol	98.00	92.77	94.7	40 - 130
2,4-Dinitrophenol	98.00	56.83	58.0	15 - 140
2,4-Dinitrotoluene	50.00	45.73	91.5	50 - 120
2,6-Dinitrotoluene	50.00	45.73	91.5	50 - 115
Di-n-octylphthalate	50.00	45.11	90.2	35 - 135
1,2-Diphenylhydrazine	49.00	48.51	99.0	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	49.64	99.3	40 - 125
Fluoranthene	50.00	44.27	88.5	55 - 115
Fluorene	50.00	41.30	82.6	50 - 110
Hexachlorobenzene	50.00	45.48	91.0	50 - 110
Hexachlorobutadiene	50.00	37.16	74.3	25 - 105
Hexachlorocyclopentadiene	50.00	46.46	92.9	10 - 110
Hexachloroethane	50.00	28.68	57.4	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	44.72	89.4	45 - 125
Isophorone	50.00	38.25	76.5	50 - 110
1-Methylnaphthalene	50.00	40.95	81.9	30 - 115
2-Methylnaphthalene	50.00	41.47	82.9	45 - 105
2-Methylphenol	98.00	61.67	62.9	40 - 110
3-Methylphenol/4-Methylphenol	98.00	53.79	54.9	30 - 110
Naphthalene	50.00	41.45	82.9	40 - 100
4-Nitroaniline	49.00	45.18	92.2	35 - 120
3-Nitroaniline	49.00	32.24	65.8	20 - 125
2-Nitroaniline	49.00	49.39	101	50 - 115
Nitrobenzene	50.00	41.65	83.3	30 - 110
4-Nitrophenol	98.00	31.58	32.2	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15010	Laboratory ID:	2B15010-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	81.26	82.9	40 - 115
N-Nitrosodiphenylamine	50.00	36.65	73.3	50 - 110
N-Nitroso-di-n-propylamine	50.00	48.32	96.6	35 - 130
Pentachlorophenol	98.00	88.26	90.1	40 - 115
Phenanthrene	50.00	46.16	92.3	50 - 115
Phenol	98.00	30.87	31.5	0 - 115
Pyrene	50.00	45.93	91.9	50 - 130
2,4,6-Trichlorophenol	98.00	86.44	88.2	50 - 115
2,4,5-Trichlorophenol	98.00	88.59	90.4	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17021	Laboratory ID:	2B17021-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	37.79	75.6	45 - 110
Acenaphthylene	50.00	40.10	80.2	50 - 105
Acetophenone	50.00	38.30	76.6	50 - 110
Anthracene	50.00	40.57	81.1	55 - 110
Atrazine	50.00	40.98	82.0	70 - 115
Benzaldehyde	50.00	33.08	66.2	10 - 180
Benzidine	50.00	19.27	38.5	0 - 200
Benzo(a)anthracene	50.00	44.29	88.6	55 - 110
Benzo(a)pyrene	50.00	41.65	83.3	55 - 110
Benzo(b)fluoranthene	50.00	42.53	85.1	45 - 120
Benzo(g,h,i)perylene	50.00	46.02	92.0	40 - 125
Benzoic acid	98.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	38.80	77.6	45 - 125
1,1-Biphenyl	50.00	34.61	69.2	50 - 110
4-Bromophenyl-phenylether	50.00	42.51	85.0	50 - 115
Butylbenzylphthalate	50.00	48.80	97.6	45 - 115
Caprolactam	**50.00**	**1.476**	**2.95**	**20 - 110**
Carbazole	49.00	41.32	84.3	50 - 115
4-Chloro-3-methylphenol	98.00	69.45	70.9	45 - 110
4-Chloroaniline	49.00	32.74	66.8	15 - 110
Bis(2-chloroethoxy)methane	50.00	43.33	86.7	45 - 105
Bis(2-chloroethyl)ether	50.00	41.26	82.5	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	37.86	75.7	25 - 130
2-Chloronaphthalene	50.00	26.50	53.0	50 - 105
2-Chlorophenol	98.00	61.69	62.9	35 - 105
4-Chlorophenyl phenyl ether	50.00	39.56	79.1	50 - 110
Chrysene	50.00	47.71	95.4	55 - 110
Dibenz(a,h)anthracene	50.00	45.42	90.8	40 - 125
Dibenzofuran	50.00	39.84	79.7	55 - 105
Di-n-butylphthalate	50.00	42.55	85.1	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17021	Laboratory ID:	2B17021-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	37.57	75.1	20 - 110
2,4-Dichlorophenol	98.00	70.81	72.3	40 - 110
Diethylphthalate	50.00	43.89	87.8	40 - 120
2,4-Dimethylphenol	98.00	68.62	70.0	30 - 110
Dimethyl phthalate	50.00	47.85	95.7	25 - 125
4,6-Dinitro-2-methylphenol	98.00	86.43	88.2	40 - 130
2,4-Dinitrophenol	98.00	77.57	79.1	15 - 140
2,4-Dinitrotoluene	50.00	44.24	88.5	50 - 120
2,6-Dinitrotoluene	50.00	42.51	85.0	50 - 115
Di-n-octylphthalate	50.00	39.83	79.7	35 - 135
1,2-Diphenylhydrazine	49.00	46.41	94.7	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	43.75	87.5	40 - 125
Fluoranthene	50.00	37.12	74.2	55 - 115
Fluorene	50.00	39.80	79.6	50 - 110
Hexachlorobenzene	50.00	40.44	80.9	50 - 110
Hexachlorobutadiene	50.00	14.03	28.1	25 - 105
Hexachlorocyclopentadiene	50.00	16.75	33.5	10 - 110
Hexachloroethane	**50.00**	**14.46**	**28.9**	**30 - 95**
Indeno(1,2,3-cd)pyrene	50.00	46.42	92.8	45 - 125
Isophorone	50.00	36.08	72.2	50 - 110
1-Methylnaphthalene	50.00	28.12	56.2	30 - 115
2-Methylnaphthalene	50.00	26.54	53.1	45 - 105
2-Methylphenol	98.00	50.19	51.2	40 - 110
3-Methylphenol/4-Methylphenol	98.00	45.66	46.6	30 - 110
Naphthalene	50.00	29.55	59.1	40 - 100
4-Nitroaniline	49.00	44.87	91.6	35 - 120
3-Nitroaniline	49.00	33.87	69.1	20 - 125
2-Nitroaniline	49.00	47.51	97.0	50 - 115
Nitrobenzene	50.00	37.08	74.2	30 - 110
4-Nitrophenol	98.00	21.92	22.4	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17021	Laboratory ID:	2B17021-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	75.02	76.6	40 - 115
N-Nitrosodiphenylamine	50.00	38.23	76.5	50 - 110
N-Nitroso-di-n-propylamine	50.00	44.00	88.0	35 - 130
Pentachlorophenol	98.00	81.41	83.1	40 - 115
Phenanthrene	50.00	42.07	84.1	50 - 115
Phenol	98.00	19.19	19.6	0 - 115
Pyrene	50.00	52.77	106	50 - 130
2,4,6-Trichlorophenol	98.00	77.27	78.8	50 - 115
2,4,5-Trichlorophenol	98.00	78.40	80.0	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20003	Laboratory ID:	2B20003-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	42.93	85.9	45 - 110
Acenaphthylene	50.00	45.24	90.5	50 - 105
Acetophenone	50.00	38.44	76.9	50 - 110
Anthracene	50.00	46.02	92.0	55 - 110
Atrazine	50.00	42.67	85.3	70 - 115
Benzaldehyde	50.00	29.63	59.3	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	48.65	97.3	55 - 110
Benzo(a)pyrene	50.00	47.08	94.2	55 - 110
Benzo(b)fluoranthene	50.00	51.36	103	45 - 120
Benzo(g,h,i)perylene	50.00	40.78	81.6	40 - 125
Benzoic acid	98.00	19.48	19.9	0 - 125
Benzo(k)fluoranthene	50.00	48.62	97.2	45 - 125
1,1-Biphenyl	50.00	35.60	71.2	50 - 110
4-Bromophenyl-phenylether	50.00	47.22	94.4	50 - 115
Butylbenzylphthalate	**50.00**	**61.50**	**123**	**45 - 115**
Caprolactam	**50.00**	**6.737**	**13.5**	**20 - 110**
Carbazole	49.00	45.77	93.4	50 - 115
4-Chloro-3-methylphenol	98.00	79.12	80.7	45 - 110
4-Chloroaniline	49.00	32.89	67.1	15 - 110
Bis(2-chloroethoxy)methane	50.00	42.31	84.6	45 - 105
Bis(2-chloroethyl)ether	50.00	39.48	79.0	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	36.67	73.3	25 - 130
2-Chloronaphthalene	50.00	36.81	73.6	50 - 105
2-Chlorophenol	98.00	63.93	65.2	35 - 105
4-Chlorophenyl phenyl ether	50.00	44.36	88.7	50 - 110
Chrysene	50.00	50.13	100	55 - 110
Dibenz(a,h)anthracene	50.00	42.49	85.0	40 - 125
Dibenzofuran	50.00	44.43	88.9	55 - 105
Di-n-butylphthalate	50.00	47.88	95.8	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20003	Laboratory ID:	2B20003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	39.11	78.2	20 - 110
2,4-Dichlorophenol	98.00	73.34	74.8	40 - 110
Diethylphthalate	50.00	46.13	92.3	40 - 120
2,4-Dimethylphenol	98.00	75.43	77.0	30 - 110
Dimethyl phthalate	50.00	49.40	98.8	25 - 125
4,6-Dinitro-2-methylphenol	98.00	88.02	89.8	40 - 130
2,4-Dinitrophenol	98.00	87.15	88.9	15 - 140
2,4-Dinitrotoluene	50.00	48.17	96.3	50 - 120
2,6-Dinitrotoluene	50.00	44.75	89.5	50 - 115
Di-n-octylphthalate	50.00	67.09	134	35 - 135
1,2-Diphenylhydrazine	49.00	49.49	101	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	58.63	117	40 - 125
Fluoranthene	50.00	42.06	84.1	55 - 115
Fluorene	50.00	41.75	83.5	50 - 110
Hexachlorobenzene	50.00	45.37	90.7	50 - 110
Hexachlorobutadiene	50.00	35.77	71.5	25 - 105
Hexachlorocyclopentadiene	50.00	34.67	69.3	10 - 110
Hexachloroethane	50.00	30.44	60.9	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	42.19	84.4	45 - 125
Isophorone	50.00	38.45	76.9	50 - 110
1-Methylnaphthalene	50.00	42.29	84.6	30 - 115
2-Methylnaphthalene	50.00	41.97	83.9	45 - 105
2-Methylphenol	98.00	58.87	60.1	40 - 110
3-Methylphenol/4-Methylphenol	98.00	53.39	54.5	30 - 110
Naphthalene	50.00	39.89	79.8	40 - 100
4-Nitroaniline	49.00	46.51	94.9	35 - 120
3-Nitroaniline	49.00	33.56	68.5	20 - 125
2-Nitroaniline	49.00	47.79	97.5	50 - 115
Nitrobenzene	50.00	37.66	75.3	30 - 110
4-Nitrophenol	98.00	33.70	34.4	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20003	Laboratory ID:	2B20003-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	72.96	74.5	40 - 115
N-Nitrosodiphenylamine	50.00	38.83	77.7	50 - 110
N-Nitroso-di-n-propylamine	50.00	45.47	90.9	35 - 130
Pentachlorophenol	98.00	91.75	93.6	40 - 115
Phenanthrene	50.00	47.48	95.0	50 - 115
Phenol	98.00	25.76	26.3	0 - 115
Pyrene	50.00	54.66	109	50 - 130
2,4,6-Trichlorophenol	98.00	80.78	82.4	50 - 115
2,4,5-Trichlorophenol	98.00	82.39	84.1	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21009	Laboratory ID:	2B21009-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**	**56.80**	**114**	**45 - 110**
Acenaphthylene	**50.00**	**58.32**	**117**	**50 - 105**
Acetophenone	50.00	43.73	87.5	50 - 110
Anthracene	**50.00**	**59.39**	**119**	**55 - 110**
Atrazine	50.00	53.17	106	70 - 115
Benzaldehyde	50.00	47.88	95.8	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	**50.00**	**57.07**	**114**	**55 - 110**
Benzo(a)pyrene	**50.00**	**63.71**	**127**	**55 - 110**
Benzo(b)fluoranthene	**50.00**	**66.79**	**134**	**45 - 120**
Benzo(g,h,i)perylene	50.00	59.53	119	40 - 125
Benzoic acid	98.00	16.85	17.2	0 - 125
Benzo(k)fluoranthene	**50.00**	**69.21**	**138**	**45 - 125**
1,1-Biphenyl	50.00	50.71	101	50 - 110
4-Bromophenyl-phenylether	**50.00**	**64.94**	**130**	**50 - 115**
Butylbenzylphthalate	**50.00**	**63.10**	**126**	**45 - 115**
Caprolactam	**50.00**	**8.329**	**16.7**	**20 - 110**
Carbazole	**49.00**	**61.73**	**126**	**50 - 115**
4-Chloro-3-methylphenol	98.00	97.97	100	45 - 110
4-Chloroaniline	49.00	47.89	97.7	15 - 110
Bis(2-chloroethoxy)methane	**50.00**	**54.78**	**110**	**45 - 105**
Bis(2-chloroethyl)ether	50.00	50.80	102	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	52.96	106	25 - 130
2-Chloronaphthalene	**50.00**	**54.58**	**109**	**50 - 105**
2-Chlorophenol	98.00	93.96	95.9	35 - 105
4-Chlorophenyl phenyl ether	**50.00**	**56.71**	**113**	**50 - 110**
Chrysene	**50.00**	**61.24**	**122**	**55 - 110**
Dibenz(a,h)anthracene	**50.00**	**62.85**	**126**	**40 - 125**
Dibenzofuran	**50.00**	**57.37**	**115**	**55 - 105**
Di-n-butylphthalate	**50.00**	**60.63**	**121**	**55 - 115**

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21009	Laboratory ID:	2B21009-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**	**62.53**	**125**	**20 - 110**
2,4-Dichlorophenol	**98.00**	**110.2**	**112**	**40 - 110**
Diethylphthalate	50.00	57.61	115	40 - 120
2,4-Dimethylphenol	98.00	94.85	96.8	30 - 110
Dimethyl phthalate	50.00	57.56	115	25 - 125
4,6-Dinitro-2-methylphenol	98.00	107.2	109	40 - 130
2,4-Dinitrophenol	98.00	88.16	90.0	15 - 140
2,4-Dinitrotoluene	50.00	55.04	110	50 - 120
2,6-Dinitrotoluene	50.00	54.92	110	50 - 115
Di-n-octylphthalate	**50.00**	**78.80**	**158**	**35 - 135**
1,2-Diphenylhydrazine	49.00	53.84	110	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**67.21**	**134**	**40 - 125**
Fluoranthene	50.00	57.02	114	55 - 115
Fluorene	**50.00**	**57.06**	**114**	**50 - 110**
Hexachlorobenzene	**50.00**	**64.93**	**130**	**50 - 110**
Hexachlorobutadiene	50.00	37.86	75.7	25 - 105
Hexachlorocyclopentadiene	50.00	50.80	102	10 - 110
Hexachloroethane	50.00	34.50	69.0	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	60.82	122	45 - 125
Isophorone	50.00	47.44	94.9	50 - 110
1-Methylnaphthalene	50.00	55.93	112	30 - 115
2-Methylnaphthalene	**50.00**	**54.73**	**109**	**45 - 105**
2-Methylphenol	98.00	79.65	81.3	40 - 110
3-Methylphenol/4-Methylphenol	98.00	71.66	73.1	30 - 110
Naphthalene	50.00	50.12	100	40 - 100
4-Nitroaniline	49.00	56.82	116	35 - 120
3-Nitroaniline	49.00	43.01	87.8	20 - 125
2-Nitroaniline	49.00	47.40	96.7	50 - 115
Nitrobenzene	50.00	42.74	85.5	30 - 110
4-Nitrophenol	98.00	30.54	31.2	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21009	Laboratory ID:	2B21009-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	109.1	111	40 - 115
N-Nitrosodiphenylamine	50.00	54.65	109	50 - 110
N-Nitroso-di-n-propylamine	50.00	49.31	98.6	35 - 130
Pentachlorophenol	98.00	108.2	110	40 - 115
Phenanthrene	**50.00**	**59.92**	**120**	**50 - 115**
Phenol	98.00	30.24	30.9	0 - 115
Pyrene	50.00	55.97	112	50 - 130
2,4,6-Trichlorophenol	**98.00**	**114.9**	**117**	**50 - 115**
2,4,5-Trichlorophenol	**98.00**	**122.1**	**125**	**50 - 110**

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27016	Laboratory ID:	2B27016-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	36.10	72.2	45 - 110
Acenaphthylene	50.00	37.97	75.9	50 - 105
Acetophenone	50.00	33.27	66.5	50 - 110
Anthracene	50.00	47.21	94.4	55 - 110
Atrazine	50.00	41.30	82.6	70 - 115
Benzaldehyde	50.00	31.87	63.7	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	44.02	88.0	55 - 110
Benzo(a)pyrene	50.00	44.83	89.7	55 - 110
Benzo(b)fluoranthene	50.00	47.86	95.7	45 - 120
Benzo(g,h,i)perylene	50.00	45.43	90.9	40 - 125
Benzoic acid	98.00	16.51	16.9	0 - 125
Benzo(k)fluoranthene	50.00	45.37	90.7	45 - 125
1,1-Biphenyl	50.00	39.05	78.1	50 - 110
4-Bromophenyl-phenylether	50.00	46.52	93.0	50 - 115
Butylbenzylphthalate	50.00	43.44	86.9	45 - 115
Caprolactam	**50.00**	**5.935**	**11.9**	**20 - 110**
Carbazole	49.00	46.76	95.4	50 - 115
4-Chloro-3-methylphenol	98.00	66.61	68.0	45 - 110
4-Chloroaniline	49.00	32.60	66.5	15 - 110
Bis(2-chloroethoxy)methane	50.00	37.87	75.7	45 - 105
Bis(2-chloroethyl)ether	50.00	35.43	70.9	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	33.70	67.4	25 - 130
2-Chloronaphthalene	50.00	33.20	66.4	50 - 105
2-Chlorophenol	98.00	62.10	63.4	35 - 105
4-Chlorophenyl phenyl ether	50.00	44.54	89.1	50 - 110
Chrysene	50.00	47.63	95.3	55 - 110
Dibenz(a,h)anthracene	50.00	46.32	92.6	40 - 125
Dibenzofuran	50.00	40.13	80.3	55 - 105
Di-n-butylphthalate	50.00	48.97	97.9	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27016	Laboratory ID:	2B27016-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	39.35	78.7	20 - 110
2,4-Dichlorophenol	98.00	74.40	75.9	40 - 110
Diethylphthalate	50.00	48.78	97.6	40 - 120
2,4-Dimethylphenol	98.00	67.22	68.6	30 - 110
Dimethyl phthalate	50.00	45.03	90.1	25 - 125
4,6-Dinitro-2-methylphenol	98.00	92.65	94.5	40 - 130
2,4-Dinitrophenol	98.00	75.91	77.5	15 - 140
2,4-Dinitrotoluene	50.00	38.73	77.5	50 - 120
2,6-Dinitrotoluene	50.00	37.08	74.2	50 - 115
Di-n-octylphthalate	50.00	44.74	89.5	35 - 135
1,2-Diphenylhydrazine	49.00	38.02	77.6	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	44.14	88.3	40 - 125
Fluoranthene	50.00	49.89	99.8	55 - 115
Fluorene	50.00	42.35	84.7	50 - 110
Hexachlorobenzene	50.00	45.29	90.6	50 - 110
Hexachlorobutadiene	50.00	21.03	42.1	25 - 105
Hexachlorocyclopentadiene	50.00	23.56	47.1	10 - 110
Hexachloroethane	50.00	18.06	36.1	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	44.69	89.4	45 - 125
Isophorone	50.00	32.23	64.5	50 - 110
1-Methylnaphthalene	50.00	31.24	62.5	30 - 115
2-Methylnaphthalene	50.00	31.35	62.7	45 - 105
2-Methylphenol	98.00	54.89	56.0	40 - 110
3-Methylphenol/4-Methylphenol	98.00	46.76	47.7	30 - 110
Naphthalene	50.00	32.18	64.4	40 - 100
4-Nitroaniline	49.00	37.94	77.4	35 - 120
3-Nitroaniline	49.00	31.80	64.9	20 - 125
2-Nitroaniline	49.00	34.18	69.7	50 - 115
Nitrobenzene	50.00	32.39	64.8	30 - 110
4-Nitrophenol	98.00	22.42	22.9	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27016	Laboratory ID:	2B27016-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	71.70	73.2	40 - 115
N-Nitrosodiphenylamine	50.00	42.01	84.0	50 - 110
N-Nitroso-di-n-propylamine	50.00	36.21	72.4	35 - 130
Pentachlorophenol	98.00	100.6	103	40 - 115
Phenanthrene	50.00	49.57	99.1	50 - 115
Phenol	98.00	18.65	19.0	0 - 115
Pyrene	50.00	41.42	82.8	50 - 130
2,4,6-Trichlorophenol	98.00	75.82	77.4	50 - 115
2,4,5-Trichlorophenol	98.00	84.57	86.3	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21009

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	48.08	ND	47.04	97.9		45 - 110
Acenaphthylene	48.08	ND	49.35	103		50 - 105
Acetophenone	48.08	ND	34.95	72.7		50 - 110
Anthracene	48.08	ND	50.52	105		55 - 110
Atrazine	48.08	ND	42.27	87.9		70 - 115
Benzaldehyde	48.08	ND	38.76	80.6		10 - 180
Benzidine	48.08	ND	48.1 U	0		0 - 200
Benzo(a)anthracene	48.08	ND	48.52	101		55 - 110
Benzo(a)pyrene	48.08	ND	53.16	111	*	55 - 110
Benzo(b)fluoranthene	48.08	ND	55.68	116		45 - 120
Benzo(g,h,i)perylene	48.08	ND	51.63	107		40 - 125
Benzoic acid	94.23	ND	31.34	33.3		0 - 125
Benzo(k)fluoranthene	48.08	ND	59.28	123		45 - 125
1,1-Biphenyl	48.08	ND	43.31	90.1		50 - 110
4-Bromophenyl-phenylether	48.08	ND	48.50	101		50 - 115
Butylbenzylphthalate	48.08	ND	55.10	115		45 - 115
Caprolactam	48.08	ND	7.517	15.6	*	20 - 110
Carbazole	47.12	ND	58.94	125	*	50 - 115
4-Chloro-3-methylphenol	94.23	ND	80.40	85.3		45 - 110
4-Chloroaniline	47.12	ND	39.55	83.9		15 - 110
Bis(2-chloroethoxy)methane	48.08	ND	44.37	92.3		45 - 105
Bis(2-chloroethyl)ether	48.08	ND	41.02	85.3		35 - 110
2,2'-Oxybis-1-chloropropane	48.08	ND	43.48	90.4		25 - 130
2-Chloronaphthalene	48.08	ND	45.65	95.0		50 - 105
2-Chlorophenol	94.23	ND	75.73	80.4		35 - 105
4-Chlorophenyl phenyl ether	48.08	ND	47.32	98.4		50 - 110
Chrysene	48.08	ND	50.94	106		55 - 110
Dibenz(a,h)anthracene	48.08	ND	53.94	112		40 - 125
Dibenzofuran	48.08	ND	48.80	102		55 - 105
Di-n-butylphthalate	48.08	ND	54.50	113		55 - 115
3,3'-Dichlorobenzidine	48.08	ND	49.86	104		20 - 110
2,4-Dichlorophenol	94.23	ND	89.78	95.3		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21009

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	48.08	ND	49.06	102		40 - 120
2,4-Dimethylphenol	94.23	ND	78.45	83.3		30 - 110
Dimethyl phthalate	48.08	ND	48.59	101		25 - 125
4,6-Dinitro-2-methylphenol	94.23	ND	86.84	92.2		40 - 130
2,4-Dinitrophenol	94.23	ND	77.25	82.0		15 - 140
2,4-Dinitrotoluene	48.08	ND	49.64	103		50 - 120
2,6-Dinitrotoluene	48.08	ND	46.25	96.2		50 - 115
Di-n-octylphthalate	48.08	ND	71.94	150	*	35 - 135
1,2-Diphenylhydrazine	47.12	ND	38.73	82.2		55 - 115
Bis(2-ethylhexyl)phthalate	48.08	ND	57.71	120		40 - 125
Fluoranthene	48.08	ND	54.21	113		55 - 115
Fluorene	48.08	ND	49.43	103		50 - 110
Hexachlorobenzene	48.08	ND	49.56	103		50 - 110
Hexachlorobutadiene	48.08	ND	28.70	59.7		25 - 105
Hexachlorocyclopentadiene	48.08	ND	39.46	82.1		10 - 110
Hexachloroethane	48.08	ND	25.66	53.4		30 - 95
Indeno(1,2,3-cd)pyrene	48.08	ND	52.05	108		45 - 125
Isophorone	48.08	ND	38.68	80.5		50 - 110
1-Methylnaphthalene	48.08	ND	45.40	94.4		30 - 115
2-Methylnaphthalene	48.08	ND	43.93	91.4		45 - 105
2-Methylphenol	94.23	ND	63.75	67.7		40 - 110
3-Methylphenol/4-Methylphenol	94.23	ND	57.12	60.6		30 - 110
Naphthalene	48.08	ND	40.87	85.0		40 - 100
4-Nitroaniline	47.12	ND	58.97	125	*	35 - 120
3-Nitroaniline	47.12	ND	41.36	87.8		20 - 125
2-Nitroaniline	47.12	ND	40.20	85.3		50 - 115
Nitrobenzene	48.08	ND	35.35	73.5		30 - 110
4-Nitrophenol	94.23	ND	28.16	29.9		0 - 125
2-Nitrophenol	94.23	ND	90.10	95.6		40 - 115
N-Nitrosodiphenylamine	48.08	ND	41.67	86.7		50 - 110
N-Nitroso-di-n-propylamine	48.08	ND	38.89	80.9		35 - 130
Pentachlorophenol	94.23	ND	96.11	102		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21009

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	48.08	ND	50.77	106		50 - 115
Phenol	94.23	ND	23.92	25.4		0 - 115
Pyrene	48.08	ND	49.79	104		50 - 130
2,4,6-Trichlorophenol	94.23	ND	94.36	100		50 - 115
2,4,5-Trichlorophenol	94.23	ND	103.5	110		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21009

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	47.66	95.3	1.30		30	45 - 110
Acenaphthylene	50.00	48.81	97.6	1.09		30	50 - 105
Acetophenone	50.00	37.38	74.8	6.72		30	50 - 110
Anthracene	50.00	50.90	102	0.754		30	55 - 110
Atrazine	50.00	42.03	84.1	0.571		30	70 - 115
Benzaldehyde	50.00	39.16	78.3	1.03		30	10 - 180
Benzidine	50.00	50.0 U	0			30	0 - 200
Benzo(a)anthracene	50.00	48.79	97.6	0.563		30	55 - 110
Benzo(a)pyrene	50.00	54.11	108	1.77		30	55 - 110
Benzo(b)fluoranthene	50.00	57.17	114	2.65		30	45 - 120
Benzo(g,h,i)perylene	50.00	52.00	104	0.720		30	40 - 125
Benzoic acid	98.00	34.02	34.7	8.21		30	0 - 125
Benzo(k)fluoranthene	50.00	56.08	112	5.55		30	45 - 125
1,1-Biphenyl	50.00	41.59	83.2	4.05		30	50 - 110
4-Bromophenyl-phenylether	50.00	56.77	114	15.7		30	50 - 115
Butylbenzylphthalate	50.00	54.88	110	0.402		30	45 - 115
Caprolactam	50.00	7.159	14.3	4.87	*	30	20 - 110
Carbazole	49.00	53.53	109	9.63		30	50 - 115
4-Chloro-3-methylphenol	98.00	83.30	85.0	3.55		30	45 - 110
4-Chloroaniline	49.00	40.68	83.0	2.83		30	15 - 110
Bis(2-chloroethoxy)methane	50.00	46.67	93.3	5.05		30	45 - 105
Bis(2-chloroethyl)ether	50.00	42.78	85.6	4.20		30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	44.33	88.7	1.95		30	25 - 130
2-Chloronaphthalene	50.00	44.04	88.1	3.59		30	50 - 105
2-Chlorophenol	98.00	78.89	80.5	4.08		30	35 - 105
4-Chlorophenyl phenyl ether	50.00	47.38	94.8	0.137		30	50 - 110
Chrysene	50.00	51.71	103	1.49		30	55 - 110
Dibenz(a,h)anthracene	50.00	55.31	111	2.51		30	40 - 125
Dibenzofuran	50.00	48.62	97.2	0.372		30	55 - 105
Di-n-butylphthalate	50.00	51.31	103	6.04		30	55 - 115
3,3'-Dichlorobenzidine	50.00	53.92	108	7.82		30	20 - 110
2,4-Dichlorophenol	98.00	93.50	95.4	4.05		30	40 - 110
Diethylphthalate	50.00	49.00	98.0	0.114		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21009

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	98.00	79.53	81.2	1.37		30	30 - 110
Dimethyl phthalate	50.00	49.38	98.8	1.63		30	25 - 125
4,6-Dinitro-2-methylphenol	98.00	86.87	88.6	0.0242		30	40 - 130
2,4-Dinitrophenol	98.00	72.74	74.2	6.01		30	15 - 140
2,4-Dinitrotoluene	50.00	46.72	93.4	6.05		30	50 - 120
2,6-Dinitrotoluene	50.00	47.35	94.7	2.35		30	50 - 115
Di-n-octylphthalate	50.00	66.13	132	8.41		30	35 - 135
1,2-Diphenylhydrazine	49.00	47.24	96.4	19.8		30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	58.53	117	1.42		30	40 - 125
Fluoranthene	50.00	46.38	92.8	15.6		30	55 - 115
Fluorene	50.00	47.64	95.3	3.68		30	50 - 110
Hexachlorobenzene	50.00	55.89	112	12.0	*	30	50 - 110
Hexachlorobutadiene	50.00	24.27	48.5	16.7		30	25 - 105
Hexachlorocyclopentadiene	50.00	41.79	83.6	5.71		30	10 - 110
Hexachloroethane	50.00	20.42	40.8	22.7		30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	53.54	107	2.82		30	45 - 125
Isophorone	50.00	40.48	81.0	4.55		30	50 - 110
1-Methylnaphthalene	50.00	45.88	91.8	1.05		30	30 - 115
2-Methylnaphthalene	50.00	44.47	88.9	1.23		30	45 - 105
2-Methylphenol	98.00	66.28	67.6	3.89		30	40 - 110
3-Methylphenol/4-Methylphenol	98.00	59.81	61.0	4.60		30	30 - 110
Naphthalene	50.00	38.70	77.4	5.47		30	40 - 100
4-Nitroaniline	49.00	49.29	101	17.9		30	35 - 120
3-Nitroaniline	49.00	38.30	78.2	7.70		30	20 - 125
2-Nitroaniline	49.00	39.76	81.2	1.08		30	50 - 115
Nitrobenzene	50.00	35.99	72.0	1.81		30	30 - 110
4-Nitrophenol	98.00	23.73	24.2	17.1		30	0 - 125
2-Nitrophenol	98.00	93.63	95.5	3.84		30	40 - 115
N-Nitrosodiphenylamine	50.00	47.86	95.7	13.8		30	50 - 110
N-Nitroso-di-n-propylamine	50.00	41.30	82.6	6.00		30	35 - 130
Pentachlorophenol	98.00	98.61	101	2.57		30	40 - 115
Phenanthrene	50.00	51.52	103	1.46		30	50 - 115
Phenol	98.00	25.18	25.7	5.12		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21009

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	50.00	50.66	101	1.73		30	50 - 130
2,4,6-Trichlorophenol	98.00	95.17	97.1	0.849		30	50 - 115
2,4,5-Trichlorophenol	98.00	105.6	108	2.01		30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27016

% Solids:

Source Sample Name: **1202127-09RE1**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	50.00	ND	39.22	78.4		45 - 110
Acenaphthylene	50.00	ND	40.29	80.6		50 - 105
Acetophenone	50.00	ND	35.91	71.8		50 - 110
Anthracene	50.00	ND	42.53	85.1		55 - 110
Atrazine	50.00	ND	35.95	71.9		70 - 115
Benzaldehyde	50.00	ND	31.49	63.0		10 - 180
Benzidine	50.00	ND	50.0 U	0		0 - 200
Benzo(a)anthracene	50.00	ND	42.40	84.8		55 - 110
Benzo(a)pyrene	50.00	ND	42.35	84.7		55 - 110
Benzo(b)fluoranthene	50.00	ND	42.93	85.9		45 - 120
Benzo(g,h,i)perylene	50.00	ND	42.35	84.7		40 - 125
Benzoic acid	98.00	ND	51.98	53.0		0 - 125
Benzo(k)fluoranthene	50.00	ND	42.89	85.8		45 - 125
1,1-Biphenyl	50.00	ND	34.47	68.9		50 - 110
4-Bromophenyl-phenylether	50.00	ND	44.19	88.4		50 - 115
Butylbenzylphthalate	50.00	ND	45.97	91.9		45 - 115
Caprolactam	50.00	ND	10.64	21.3		20 - 110
Carbazole	49.00	ND	40.23	82.1		50 - 115
4-Chloro-3-methylphenol	98.00	ND	79.04	80.6		45 - 110
4-Chloroaniline	49.00	ND	29.91	61.0		15 - 110
Bis(2-chloroethoxy)methane	50.00	ND	40.79	81.6		45 - 105
Bis(2-chloroethyl)ether	50.00	ND	37.49	75.0		35 - 110
2,2'-Oxybis-1-chloropropane	50.00	ND	33.46	66.9		25 - 130
2-Chloronaphthalene	50.00	ND	31.37	62.7		50 - 105
2-Chlorophenol	98.00	ND	71.36	72.8		35 - 105
4-Chlorophenyl phenyl ether	50.00	ND	44.76	89.5		50 - 110
Chrysene	50.00	ND	44.36	88.7		55 - 110
Dibenz(a,h)anthracene	50.00	ND	44.09	88.2		40 - 125
Dibenzofuran	50.00	ND	40.83	81.7		55 - 105
Di-n-butylphthalate	50.00	ND	43.67	87.3		55 - 115
3,3'-Dichlorobenzidine	50.00	ND	31.98	64.0		20 - 110
2,4-Dichlorophenol	98.00	ND	82.13	83.8		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27016

% Solids:

Source Sample Name: **1202127-09RE1**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	50.00	2.591	41.28	77.4		40 - 120
2,4-Dimethylphenol	98.00	ND	75.08	76.6		30 - 110
Dimethyl phthalate	50.00	ND	44.62	89.2		25 - 125
4,6-Dinitro-2-methylphenol	98.00	ND	91.37	93.2		40 - 130
2,4-Dinitrophenol	98.00	ND	87.65	89.4		15 - 140
2,4-Dinitrotoluene	50.00	ND	40.61	81.2		50 - 120
2,6-Dinitrotoluene	50.00	ND	38.36	76.7		50 - 115
Di-n-octylphthalate	50.00	ND	40.35	80.7		35 - 135
1,2-Diphenylhydrazine	49.00	ND	37.63	76.8		55 - 115
Bis(2-ethylhexyl)phthalate	50.00	ND	40.49	81.0		40 - 125
Fluoranthene	50.00	ND	41.73	83.5		55 - 115
Fluorene	50.00	ND	37.32	74.6		50 - 110
Hexachlorobenzene	50.00	ND	41.28	82.6		50 - 110
Hexachlorobutadiene	50.00	ND	23.14	46.3		25 - 105
Hexachlorocyclopentadiene	50.00	ND	26.55	53.1		10 - 110
Hexachloroethane	50.00	ND	19.01	38.0		30 - 95
Indeno(1,2,3-cd)pyrene	50.00	ND	41.67	83.3		45 - 125
Isophorone	50.00	ND	35.58	71.2		50 - 110
1-Methylnaphthalene	50.00	ND	34.43	68.9		30 - 115
2-Methylnaphthalene	50.00	ND	33.55	67.1		45 - 105
2-Methylphenol	98.00	ND	70.77	72.2		40 - 110
3-Methylphenol/4-Methylphenol	98.00	ND	66.00	67.4		30 - 110
Naphthalene	50.00	ND	32.65	65.3		40 - 100
4-Nitroaniline	49.00	ND	38.42	78.4		35 - 120
3-Nitroaniline	49.00	ND	28.52	58.2		20 - 125
2-Nitroaniline	49.00	ND	37.18	75.9		50 - 115
Nitrobenzene	50.00	ND	35.59	71.2		30 - 110
4-Nitrophenol	98.00	ND	38.66	39.5		0 - 125
2-Nitrophenol	98.00	ND	74.75	76.3		40 - 115
N-Nitrosodiphenylamine	50.00	ND	37.59	75.2		50 - 110
N-Nitroso-di-n-propylamine	50.00	ND	38.47	76.9		35 - 130
Pentachlorophenol	98.00	ND	92.07	93.9		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27016

% Solids:

Source Sample Name: **1202127-09RE1**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	50.00	ND	45.19	90.4		50 - 115
Phenol	98.00	ND	33.11	33.8		0 - 115
Pyrene	50.00	ND	51.16	102		50 - 130
2,4,6-Trichlorophenol	98.00	ND	83.41	85.1		50 - 115
2,4,5-Trichlorophenol	98.00	ND	86.84	88.6		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27016

% Solids:

Source Sample Name: **1202127-09RE1**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	34.85	69.7	11.8		30	45 - 110
Acenaphthylene	50.00	34.80	69.6	14.6		30	50 - 105
Acetophenone	50.00	31.92	63.8	11.8		30	50 - 110
Anthracene	50.00	43.90	87.8	3.18		30	55 - 110
Atrazine	50.00	38.84	77.7	7.73		30	70 - 115
Benzaldehyde	50.00	28.15	56.3	11.2		30	10 - 180
Benzidine	50.00	50.0 U	0			30	0 - 200
Benzo(a)anthracene	50.00	42.71	85.4	0.733		30	55 - 110
Benzo(a)pyrene	50.00	44.19	88.4	4.26		30	55 - 110
Benzo(b)fluoranthene	50.00	45.61	91.2	6.06		30	45 - 120
Benzo(g,h,i)perylene	50.00	45.87	91.7	7.96		30	40 - 125
Benzoic acid	98.00	47.24	48.2	9.56		30	0 - 125
Benzo(k)fluoranthene	50.00	43.24	86.5	0.803		30	45 - 125
1,1-Biphenyl	50.00	34.14	68.3	0.965		30	50 - 110
4-Bromophenyl-phenylether	50.00	42.56	85.1	3.77		30	50 - 115
Butylbenzylphthalate	50.00	47.09	94.2	2.41		30	45 - 115
Caprolactam	50.00	11.06	22.1	3.87		30	20 - 110
Carbazole	49.00	42.87	87.5	6.37		30	50 - 115
4-Chloro-3-methylphenol	98.00	74.67	76.2	5.68		30	45 - 110
4-Chloroaniline	49.00	32.14	65.6	7.19		30	15 - 110
Bis(2-chloroethoxy)methane	50.00	36.35	72.7	11.5		30	45 - 105
Bis(2-chloroethyl)ether	50.00	31.76	63.5	16.6		30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	29.77	59.5	11.7		30	25 - 130
2-Chloronaphthalene	50.00	28.63	57.3	9.12		30	50 - 105
2-Chlorophenol	98.00	62.79	64.1	12.8		30	35 - 105
4-Chlorophenyl phenyl ether	50.00	43.05	86.1	3.90		30	50 - 110
Chrysene	50.00	46.32	92.6	4.33		30	55 - 110
Dibenz(a,h)anthracene	50.00	44.71	89.4	1.41		30	40 - 125
Dibenzofuran	50.00	38.43	76.9	6.06		30	55 - 105
Di-n-butylphthalate	50.00	45.26	90.5	3.58		30	55 - 115
3,3'-Dichlorobenzidine	50.00	35.34	70.7	9.98		30	20 - 110
2,4-Dichlorophenol	98.00	73.38	74.9	11.3		30	40 - 110
Diethylphthalate	50.00	40.01	74.8	3.12		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27016

% Solids:

Source Sample Name: **1202127-09RE1**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	98.00	68.59	70.0	9.03		30	30 - 110
Dimethyl phthalate	50.00	43.06	86.1	3.57		30	25 - 125
4,6-Dinitro-2-methylphenol	98.00	91.26	93.1	0.114		30	40 - 130
2,4-Dinitrophenol	98.00	79.87	81.5	9.29		30	15 - 140
2,4-Dinitrotoluene	50.00	36.55	73.1	10.5		30	50 - 120
2,6-Dinitrotoluene	50.00	37.21	74.4	3.06		30	50 - 115
Di-n-octylphthalate	50.00	41.44	82.9	2.66		30	35 - 135
1,2-Diphenylhydrazine	49.00	35.88	73.2	4.75		30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	40.92	81.8	1.07		30	40 - 125
Fluoranthene	50.00	40.04	80.1	4.15		30	55 - 115
Fluorene	50.00	37.79	75.6	1.25		30	50 - 110
Hexachlorobenzene	50.00	43.18	86.4	4.49		30	50 - 110
Hexachlorobutadiene	50.00	17.54	35.1	27.5		30	25 - 105
Hexachlorocyclopentadiene	50.00	19.96	39.9	28.3		30	10 - 110
Hexachloroethane	50.00	14.42	28.8	27.5	*	30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	45.12	90.2	7.96		30	45 - 125
Isophorone	50.00	32.99	66.0	7.55		30	50 - 110
1-Methylnaphthalene	50.00	29.70	59.4	14.8		30	30 - 115
2-Methylnaphthalene	50.00	29.35	58.7	13.4		30	45 - 105
2-Methylphenol	98.00	62.49	63.8	12.4		30	40 - 110
3-Methylphenol/4-Methylphenol	98.00	60.41	61.6	8.84		30	30 - 110
Naphthalene	50.00	27.49	55.0	17.2		30	40 - 100
4-Nitroaniline	49.00	38.32	78.2	0.256		30	35 - 120
3-Nitroaniline	49.00	31.75	64.8	10.7		30	20 - 125
2-Nitroaniline	49.00	34.30	70.0	8.06		30	50 - 115
Nitrobenzene	50.00	29.84	59.7	17.6		30	30 - 110
4-Nitrophenol	98.00	37.21	38.0	3.82		30	0 - 125
2-Nitrophenol	98.00	66.25	67.6	12.1		30	40 - 115
N-Nitrosodiphenylamine	50.00	39.07	78.1	3.86		30	50 - 110
N-Nitroso-di-n-propylamine	50.00	35.31	70.6	8.57		30	35 - 130
Pentachlorophenol	98.00	91.82	93.7	0.263		30	40 - 115
Phenanthrene	50.00	44.15	88.3	2.33		30	50 - 115
Phenol	98.00	29.24	29.8	12.4		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27016

% Solids:

Source Sample Name: **1202127-09RE1**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	50.00	50.50	101	1.30		30	50 - 130
2,4,6-Trichlorophenol	98.00	75.37	76.9	10.1		30	50 - 115
2,4,5-Trichlorophenol	98.00	80.44	82.1	7.65		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0441	1202084-05	02/14/12 15:00	1,020.00	1.00
GW0442	1202084-07	02/14/12 15:00	1,000.00	1.00
GW0443	1202084-09	02/14/12 15:00	1,020.00	1.00
GW0480	1202084-11	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

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B15010 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0407	1202084-01	02/15/12 15:00	1,040.00	1.00
GW0415	1202084-03	02/15/12 15:00	1,040.00	1.00
Blank	2B15010-BLK1	02/15/12 15:00	1,000.00	1.00
LCS	2B15010-BS1	02/15/12 15:00	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B17021 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/17/12 15:55	1,020.00	1.00
GW0412	1202096-03	02/17/12 15:55	1,000.00	1.00
GW0414	1202096-05	02/17/12 15:55	1,020.00	1.00
GW0394	1202099-01	02/17/12 15:55	1,020.00	1.00
GW0413	1202099-03	02/17/12 15:55	1,020.00	1.00
Blank	2B17021-BLK1	02/17/12 15:55	1,000.00	1.00
LCS	2B17021-BS1	02/17/12 15:55	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B20003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0431	1202116-01	02/20/12 11:10	1,040.00	1.00
GW0432	1202116-03	02/20/12 11:10	1,040.00	1.00
GW0433	1202116-05	02/20/12 11:10	1,020.00	1.00
GW0447	1202116-07	02/20/12 11:10	1,040.00	1.00
GW0471	1202116-09	02/20/12 11:10	1,070.00	1.00
GW0481	1202116-11	02/20/12 11:10	1,060.00	1.00
GW0434	1202127-01	02/20/12 11:10	1,020.00	1.00
GW0445	1202127-03	02/20/12 11:10	1,000.00	1.00
GW0446	1202127-05RE1	02/20/12 11:10	1,020.00	1.00
GW0469	1202127-07	02/20/12 11:10	1,060.00	1.00
Blank	2B20003-BLK1	02/20/12 11:10	1,000.00	1.00
LCS	2B20003-BS1	02/20/12 11:10	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B21009 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0470	1202127-09	02/21/12 12:00	1,020.00	1.00
Blank	2B21009-BLK1	02/21/12 12:00	1,000.00	1.00
LCS	2B21009-BS1	02/21/12 12:00	1,000.00	1.00
GW0470	2B21009-MS1	02/21/12 12:00	1,040.00	1.00
GW0470	2B21009-MSD1	02/21/12 12:00	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B27016 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0470	1202127-09RE1	02/27/12 12:42	1,020.00	1.00
Blank	2B27016-BLK3	02/27/12 12:42	1,000.00	1.00
LCS	2B27016-BS1	02/27/12 12:42	1,000.00	1.00
GW0470	2B27016-MS1	02/27/12 12:42	500.00	0.50
GW0470	2B27016-MSD1	02/27/12 12:42	500.00	0.50

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/10/12
Instrument ID:	MS-BNA3	Injection Time:	09:34
Sequence:	2A01401	Lab Sample ID:	2A01401-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	34.6	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	44	PASS
70	Less than 2% of 69	0.453	PASS
127	40 - 60% of 198	47.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.59	PASS
275	10 - 30% of 198	21.8	PASS
365	1 - 200% of 198	2.34	PASS
441	0.001 - 100% of 443	81.2	PASS
442	40 - 200% of 198	53.3	PASS
443	17 - 23% of 442	19.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	01/11/12
Instrument ID:	MS-BNA3	Injection Time:	09:06
Sequence:	2A01401	Lab Sample ID:	2A01401-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	40.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	49.6	PASS
70	Less than 2% of 69	0.564	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	6.96	PASS
275	10 - 30% of 198	21	PASS
365	1 - 200% of 198	2.21	PASS
441	0.001 - 100% of 443	66.7	PASS
442	40 - 200% of 198	46.6	PASS
443	17 - 23% of 442	21.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/18/12
Instrument ID:	MS-BNA1	Injection Time:	12:32
Sequence:	2B05211	Lab Sample ID:	2B05211-TUN1

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_044
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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/21/12
Instrument ID:	MS-BNA1	Injection Time:	15:03
Sequence:	2B05311	Lab Sample ID:	2B05311-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	52.6	PASS
68	Less than 2% of 69	1.78	PASS
69	Less than 200% of 198	64.6	PASS
70	Less than 2% of 69	0.472	PASS
127	40 - 60% of 198	53.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.79	PASS
275	10 - 30% of 198	17.9	PASS
365	1 - 200% of 198	1.52	PASS
441	0.001 - 100% of 443	76.7	PASS
442	40 - 200% of 198	49	PASS
443	17 - 23% of 442	19.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/22/12
Instrument ID:	MS-BNA1	Injection Time:	11:07
Sequence:	2B05403	Lab Sample ID:	2B05403-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.8	PASS
70	Less than 2% of 69	0.3	PASS
127	40 - 60% of 198	49.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.37	PASS
275	10 - 30% of 198	21.6	PASS
365	1 - 200% of 198	2.53	PASS
441	0.001 - 100% of 443	74	PASS
442	40 - 200% of 198	82.7	PASS
443	17 - 23% of 442	20.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/24/12
Instrument ID:	MS-BNA3	Injection Time:	15:22
Sequence:	2B05601	Lab Sample ID:	2B05601-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	37.6	PASS
70	Less than 2% of 69	0.457	PASS
127	40 - 60% of 198	50.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.24	PASS
275	10 - 30% of 198	22.9	PASS
365	1 - 200% of 198	2.64	PASS
441	0.001 - 100% of 443	77.2	PASS
442	40 - 200% of 198	63.1	PASS
443	17 - 23% of 442	21.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/29/12
Instrument ID:	MS-BNA1	Injection Time:	15:00
Sequence:	2C06122	Lab Sample ID:	2C06122-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	47.6	PASS
70	Less than 2% of 69	0.601	PASS
127	40 - 60% of 198	49.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.63	PASS
275	10 - 30% of 198	18.3	PASS
365	1 - 200% of 198	1.81	PASS
441	0.001 - 100% of 443	69.4	PASS
442	40 - 200% of 198	57.8	PASS
443	17 - 23% of 442	19.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	03/02/12
Instrument ID:	MS-BNA1	Injection Time:	14:45
Sequence:	2C06301	Lab Sample ID:	2C06301-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	43	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	54.1	PASS
70	Less than 2% of 69	0.462	PASS
127	40 - 60% of 198	53	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.84	PASS
275	10 - 30% of 198	17.2	PASS
365	1 - 200% of 198	1.74	PASS
441	0.001 - 100% of 443	82.6	PASS
442	40 - 200% of 198	48.9	PASS
443	17 - 23% of 442	19.6	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2A01401	Instrument:	MS-BNA3
Calibration:	2018001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2A01401-TUN1	SEQ-TUN1.D	01/10/12 09:34
Cal Standard	2A01401-CAL1	SEQ-CAL1.D	01/10/12 09:58
Cal Standard	2A01401-CAL2	SEQ-CAL2.D	01/10/12 10:28
Cal Standard	2A01401-CAL3	SEQ-CAL3.D	01/10/12 10:59
Cal Standard	2A01401-CAL4	SEQ-CAL4.D	01/10/12 11:30
Cal Standard	2A01401-CAL5	SEQ-CAL5.D	01/10/12 12:00
Cal Standard	2A01401-CAL6	SEQ-CAL6.D	01/10/12 12:31
Cal Standard	2A01401-CAL7	SEQ-CAL7.D	01/10/12 13:02
Cal Standard	2A01401-CAL8	SEQ-CAL8.D	01/10/12 13:32
Cal Standard	2A01401-CAL9	SEQ-CAL9.D	01/10/12 14:02
Cal Standard	2A01401-CALA	SEQ-CALA.D	01/10/12 14:33
Cal Standard	2A01401-CALB	SEQ-CALB.D	01/10/12 15:04
Cal Standard	2A01401-CALC	SEQ-CALC.D	01/10/12 15:35
Cal Standard	2A01401-CALD	SEQ-CALD.D	01/10/12 16:05
Cal Standard	2A01401-CALE	SEQ-CALE.D	01/10/12 16:36
Cal Standard	2A01401-CALF	SEQ-CALF.D	01/10/12 17:07
MS Tune	2A01401-TUN2	SEQ-TUN2.D	01/11/12 09:06
Initial Cal Check	2A01401-ICV1	SEQ-ICV1.D	01/11/12 09:30
Initial Cal Check	2A01401-ICV2	SEQ-ICV3.D	01/11/12 12:01
Initial Cal Check	2A01401-ICV3	SEQ-ICV4.D	01/11/12 12:32
Initial Cal Check	2A01401-ICV4	SEQ-ICV5.D	01/11/12 13:32

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05211	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05211-TUN1	SEQ-TUN1.D	02/18/12 12:32
Calibration Check	2B05211-CCV1	SEQ-CCV1.D	02/18/12 13:26
Calibration Check	2B05211-CCV2	SEQ-CCV2.D	02/18/12 13:57
Blank	2B17021-BLK1	B17021B1.D	02/18/12 14:27
LCS	2B17021-BS1	B17021L1.D	02/18/12 14:58
GW0391	1202096-01	0209601.D	02/18/12 15:29
GW0412	1202096-03	0209603.D	02/18/12 15:59
GW0414	1202096-05	0209605.D	02/18/12 16:30
GW0394	1202099-01	0209901.D	02/18/12 17:00
GW0413	1202099-03	0209903.D	02/18/12 17:31

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
GW0441	1202084-05	0208405.D	02/19/12 03:02
GW0442	1202084-07	0208407.D	02/19/12 03:33
GW0443	1202084-09	0208409.D	02/19/12 04:03
GW0480	1202084-11	0208411.D	02/19/12 04:34

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05311	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05311-TUN1	SEQ-TUN1.D	02/21/12 15:03
Calibration Check	2B05311-CCV1	SEQ-CCV1.D	02/21/12 15:27
Calibration Check	2B05311-CCV2	SEQ-CCV2.D	02/21/12 15:58
Blank	2B15010-BLK1	B15010B1.D	02/21/12 16:28
LCS	2B15010-BS1	B15010L1.D	02/21/12 16:59
GW0407	1202084-01	0208401.D	02/21/12 18:00
GW0415	1202084-03	0208403.D	02/21/12 18:30

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05403	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05403-TUN1	SEQ-TUN1.D	02/22/12 11:07
Calibration Check	2B05403-CCV1	SEQ-CCV1.D	02/22/12 11:32
Calibration Check	2B05403-CCV2	SEQ-CCV2.D	02/22/12 12:03
Blank	2B20003-BLK1	B20003B1.D	02/22/12 17:06
LCS	2B20003-BS1	B20003L1.D	02/22/12 17:37
GW0431	1202116-01	0211601.D	02/22/12 18:07
GW0432	1202116-03	0211603.D	02/22/12 18:37
GW0433	1202116-05	0211605.D	02/22/12 19:08
GW0447	1202116-07	0211607.D	02/22/12 19:38
GW0471	1202116-09	0211609.D	02/22/12 20:09
GW0481	1202116-11	0211611.D	02/22/12 20:40
GW0434	1202127-01	0212701.D	02/22/12 21:11
GW0445	1202127-03	0212703.D	02/22/12 21:41
GW0469	1202127-07	0212707.D	02/22/12 22:42

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05601	Instrument:	MS-BNA3
Calibration:	2018001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05601-TUN1	SEQ-TUN1.D	02/24/12 15:22
Calibration Check	2B05601-CCV1	SEQ-CCV1.D	02/24/12 15:46
Calibration Check	2B05601-CCV2	SEQ-CCV2.D	02/24/12 16:16
Blank	2B21009-BLK1	B21009B1.D	02/24/12 16:46
LCS	2B21009-BS1	B21009L1.D	02/24/12 17:16
GW0470	1202127-09	0212709.D	02/24/12 18:45
GW0470	2B21009-MS1	0212709M.D	02/24/12 19:15
GW0470	2B21009-MSD1	0212709S.D	02/24/12 19:45
GW0446	1202127-05RE1	0212705R.D	02/25/12 01:41

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06122	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2C06122-TUN1	SEQ-TUN1.D	02/29/12 15:00
Calibration Check	2C06122-CCV1	SEQ-CCV1.D	02/29/12 15:24
Calibration Check	2C06122-CCV2	SEQ-CCV2.D	02/29/12 15:55
LCS	2B27016-BS1	B27016L1.D	02/29/12 16:56
GW0470	1202127-09RE1	0212709R.D	02/29/12 17:56
GW0470	2B27016-MS1	0212709M.D	02/29/12 18:27
GW0470	2B27016-MSD1	0212709S.D	02/29/12 18:57

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06301	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2C06301-TUN1	SEQ-TUN1.D	03/02/12 14:45
Calibration Check	2C06301-CCV1	SEQ-CCV1.D	03/02/12 15:09
Calibration Check	2C06301-CCV2	SEQ-CCV2.D	03/02/12 15:40
Blank	2B27016-BLK3	B27016B1.D	03/02/12 16:11

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05211	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05211-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/18/12 13:26			
1,4-Dichlorobenzene-d4	551067	5.354	562311	5.352	98	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2174643	7.029	2176754	7.028	100	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	942604	9.251	998978	9.253	94	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1559324	11.037	1676737	11.04	93	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	798586	14.682	1257536	14.687	64	50 - 200	-0.0050	+/-0.50	
Perylene-d12	605466	17.208	991057	17.215	61	50 - 200	-0.0070	+/-0.50	
Calibration Check (2B05211-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 02/18/12 13:57			
1,4-Dichlorobenzene-d4	590260	5.352	551067	5.354	107	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2156172	7.019	2174643	7.029	99	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	945308	9.243	942604	9.251	100	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1340927	11.028	1559324	11.037	86	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	739510	14.671	798586	14.682	93	50 - 200	-0.0110	+/-0.50	
Perylene-d12	545439	17.201	605466	17.208	90	50 - 200	-0.0070	+/-0.50	
Blank (2B17021-BLK1)			Lab File ID: B17021B1.D			Analyzed: 02/18/12 14:27			
1,4-Dichlorobenzene-d4	605395	5.352	551067	5.354	110	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2295965	7.02	2174643	7.029	106	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1045882	9.251	942604	9.251	111	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1574978	11.027	1559324	11.037	101	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	918393	14.674	798586	14.682	115	50 - 200	-0.0080	+/-0.50	
Perylene-d12	778634	17.207	605466	17.208	129	50 - 200	-0.0010	+/-0.50	
LCS (2B17021-BS1)			Lab File ID: B17021L1.D			Analyzed: 02/18/12 14:58			
1,4-Dichlorobenzene-d4	601128	5.35	551067	5.354	109	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2358200	7.027	2174643	7.029	108	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	995781	9.247	942604	9.251	106	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1685601	11.041	1559324	11.037	108	50 - 200	0.0040	+/-0.50	
Chrysene-d12	913262	14.682	798586	14.682	114	50 - 200	0.0000	+/-0.50	
Perylene-d12	776418	17.211	605466	17.208	128	50 - 200	0.0030	+/-0.50	
GW0391 (1202096-01)			Lab File ID: 0209601.D			Analyzed: 02/18/12 15:29			
1,4-Dichlorobenzene-d4	624792	5.353	551067	5.354	113	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2332936	7.021	2174643	7.029	107	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1077809	9.243	942604	9.251	114	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1644971	11.029	1559324	11.037	105	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	876325	14.667	798586	14.682	110	50 - 200	-0.0150	+/-0.50	
Perylene-d12	647660	17.201	605466	17.208	107	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05211	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0412 (1202096-03)			Lab File ID: 0209603.D			Analyzed: 02/18/12 15:59			
1,4-Dichlorobenzene-d4	567330	5.352	551067	5.354	103	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2197362	7.021	2174643	7.029	101	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1020646	9.244	942604	9.251	108	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1513406	11.03	1559324	11.037	97	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	922656	14.669	798586	14.682	116	50 - 200	-0.0130	+/-0.50	
Perylene-d12	779820	17.207	605466	17.208	129	50 - 200	-0.0010	+/-0.50	
GW0414 (1202096-05)			Lab File ID: 0209605.D			Analyzed: 02/18/12 16:30			
1,4-Dichlorobenzene-d4	612716	5.353	551067	5.354	111	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2385709	7.021	2174643	7.029	110	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1103489	9.253	942604	9.251	117	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1640170	11.031	1559324	11.037	105	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	974122	14.67	798586	14.682	122	50 - 200	-0.0120	+/-0.50	
Perylene-d12	746721	17.204	605466	17.208	123	50 - 200	-0.0040	+/-0.50	
GW0394 (1202099-01)			Lab File ID: 0209901.D			Analyzed: 02/18/12 17:00			
1,4-Dichlorobenzene-d4	562562	5.352	551067	5.354	102	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2219694	7.019	2174643	7.029	102	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	989214	9.25	942604	9.251	105	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1538768	11.026	1559324	11.037	99	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	796618	14.673	798586	14.682	100	50 - 200	-0.0090	+/-0.50	
Perylene-d12	581658	17.206	605466	17.208	96	50 - 200	-0.0020	+/-0.50	
GW0413 (1202099-03)			Lab File ID: 0209903.D			Analyzed: 02/18/12 17:31			
1,4-Dichlorobenzene-d4	608775	5.352	551067	5.354	110	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2347821	7.02	2174643	7.029	108	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1070605	9.252	942604	9.251	114	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1626711	11.029	1559324	11.037	104	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	878820	14.668	798586	14.682	110	50 - 200	-0.0140	+/-0.50	
Perylene-d12	643587	17.201	605466	17.208	106	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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	
GW0441 (1202084-05)			Lab File ID: 0208405.D			Analyzed: 02/19/12 03:02			
1,4-Dichlorobenzene-d4	573137	5.353	577033	5.353	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2259952	7.031	2218893	7.029	102	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1010544	9.254	1013718	9.253	100	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1536573	11.032	1615561	11.037	95	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	834485	14.68	752774	14.674	111	50 - 200	0.0060	+/-0.50	
Perylene-d12	614176	17.212	518370	17.21	118	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
GW0442 (1202084-07)			Lab File ID: 0208407.D			Analyzed: 02/19/12 03:33			
1,4-Dichlorobenzene-d4	633186	5.357	577033	5.353	110	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2322983	7.029	2218893	7.029	105	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1071179	9.249	1013718	9.253	106	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1620094	11.032	1615561	11.037	100	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	884343	14.672	752774	14.674	117	50 - 200	-0.0020	+/-0.50	
Perylene-d12	653654	17.213	518370	17.21	126	50 - 200	0.0030	+/-0.50	
GW0443 (1202084-09)			Lab File ID: 0208409.D			Analyzed: 02/19/12 04:03			
1,4-Dichlorobenzene-d4	541680	5.356	577033	5.353	94	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2042623	7.029	2218893	7.029	92	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	947125	9.248	1013718	9.253	93	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1435345	11.03	1615561	11.037	89	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	777022	14.679	752774	14.674	103	50 - 200	0.0050	+/-0.50	
Perylene-d12	607168	17.211	518370	17.21	117	50 - 200	0.0010	+/-0.50	
GW0480 (1202084-11)			Lab File ID: 0208411.D			Analyzed: 02/19/12 04:34			
1,4-Dichlorobenzene-d4	460588	5.353	577033	5.353	80	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1757599	7.021	2218893	7.029	79	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	816942	9.254	1013718	9.253	81	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1234148	11.03	1615561	11.037	76	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	686636	14.679	752774	14.674	91	50 - 200	0.0050	+/-0.50	
Perylene-d12	565683	17.211	518370	17.21	109	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05311	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05311-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/21/12 15:27			
1,4-Dichlorobenzene-d4	645585	5.336	562311	5.352	115	50 - 200	-0.0160	+/-0.50	
Naphthalene-d8	2470552	7.012	2176754	7.028	113	50 - 200	-0.0160	+/-0.50	
Acenaphthene-d10	1071698	9.238	998978	9.253	107	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	1828232	11.013	1676737	11.04	109	50 - 200	-0.0270	+/-0.50	
Chrysene-d12	1081250	14.653	1257536	14.687	86	50 - 200	-0.0340	+/-0.50	
Perylene-d12	635135	17.164	991057	17.215	64	50 - 200	-0.0510	+/-0.50	
Calibration Check (2B05311-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 02/21/12 15:58			
1,4-Dichlorobenzene-d4	610196	5.331	645585	5.336	95	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2251896	7.001	2470552	7.012	91	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	990974	9.226	1071698	9.238	92	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1409294	11.003	1828232	11.013	77	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	994201	14.64	1081250	14.653	92	50 - 200	-0.0130	+/-0.50	
Perylene-d12	962227	17.17	635135	17.164	151	50 - 200	0.0060	+/-0.50	
Blank (2B15010-BLK1)			Lab File ID: B15010B1.D			Analyzed: 02/21/12 16:28			
1,4-Dichlorobenzene-d4	663212	5.325	645585	5.336	103	50 - 200	-0.0110	+/-0.50	
Naphthalene-d8	2479180	7.004	2470552	7.012	100	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1121854	9.228	1071698	9.238	105	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1670967	11.006	1828232	11.013	91	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1212745	14.635	1081250	14.653	112	50 - 200	-0.0180	+/-0.50	
Perylene-d12	1050101	17.168	635135	17.164	165	50 - 200	0.0040	+/-0.50	
LCS (2B15010-BS1)			Lab File ID: B15010L1.D			Analyzed: 02/21/12 16:59			
1,4-Dichlorobenzene-d4	699876	5.337	645585	5.336	108	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2682777	7.015	2470552	7.012	109	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1124848	9.232	1071698	9.238	105	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1920457	11.016	1828232	11.013	105	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1449542	14.661	1081250	14.653	134	50 - 200	0.0080	+/-0.50	
Perylene-d12	1323777	17.185	635135	17.164	208	50 - 200	0.0210	+/-0.50	*
GW0407 (1202084-01)			Lab File ID: 0208401.D			Analyzed: 02/21/12 18:00			
1,4-Dichlorobenzene-d4	578570	5.326	645585	5.336	90	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2194591	7.006	2470552	7.012	89	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	936699	9.221	1071698	9.238	87	50 - 200	-0.0170	+/-0.50	
Phenanthrene-d10	1537576	11.009	1828232	11.013	84	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1276743	14.639	1081250	14.653	118	50 - 200	-0.0140	+/-0.50	
Perylene-d12	1254738	17.173	635135	17.164	198	50 - 200	0.0090	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05311	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0415 (1202084-03)			Lab File ID: 0208403.D			Analyzed: 02/21/12 18:30			
1,4-Dichlorobenzene-d4	614845	5.335	645585	5.336	95	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2207596	7.004	2470552	7.012	89	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	953835	9.227	1071698	9.238	89	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1423531	11.004	1828232	11.013	78	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1242344	14.644	1081250	14.653	115	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1118866	17.169	635135	17.164	176	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05403	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05403-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/22/12 11:32			
1,4-Dichlorobenzene-d4	761988	5.345	562311	5.352	136	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2939255	7.021	2176754	7.028	135	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1296856	9.236	998978	9.253	130	50 - 200	-0.0170	+/-0.50	
Phenanthrene-d10	2183756	11.017	1676737	11.04	130	50 - 200	-0.0230	+/-0.50	
Chrysene-d12	1296430	14.658	1257536	14.687	103	50 - 200	-0.0290	+/-0.50	
Perylene-d12	760502	17.177	991057	17.215	77	50 - 200	-0.0380	+/-0.50	
Calibration Check (2B05403-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 02/22/12 12:03			
1,4-Dichlorobenzene-d4	610096	5.332	761988	5.345	80	50 - 200	-0.0130	+/-0.50	
Naphthalene-d8	2314721	7.01	2939255	7.021	79	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1024593	9.225	1296856	9.236	79	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1486843	11.011	2183756	11.017	68	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1034328	14.642	1296430	14.658	80	50 - 200	-0.0160	+/-0.50	
Perylene-d12	890647	17.172	760502	17.177	117	50 - 200	-0.0050	+/-0.50	
Blank (2B20003-BLK1)			Lab File ID: B20003B1.D			Analyzed: 02/22/12 17:06			
1,4-Dichlorobenzene-d4	614632	5.345	761988	5.345	81	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2309984	7.014	2939255	7.021	79	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1097978	9.238	1296856	9.236	85	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1644042	11.017	2183756	11.017	75	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1044008	14.651	1296430	14.658	81	50 - 200	-0.0070	+/-0.50	
Perylene-d12	697284	17.176	760502	17.177	92	50 - 200	-0.0010	+/-0.50	
LCS (2B20003-BS1)			Lab File ID: B20003L1.D			Analyzed: 02/22/12 17:37			
1,4-Dichlorobenzene-d4	605303	5.347	761988	5.345	79	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2367926	7.022	2939255	7.021	81	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1052599	9.24	1296856	9.236	81	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1811309	11.024	2183756	11.017	83	50 - 200	0.0070	+/-0.50	
Chrysene-d12	1061543	14.667	1296430	14.658	82	50 - 200	0.0090	+/-0.50	
Perylene-d12	675484	17.18	760502	17.177	89	50 - 200	0.0030	+/-0.50	
GW0431 (1202116-01)			Lab File ID: 0211601.D			Analyzed: 02/22/12 18:07			
1,4-Dichlorobenzene-d4	606146	5.347	761988	5.345	80	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2299640	7.009	2939255	7.021	78	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1010088	9.236	1296856	9.236	78	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1587883	11.017	2183756	11.017	73	50 - 200	0.0000	+/-0.50	
Chrysene-d12	972972	14.652	1296430	14.658	75	50 - 200	-0.0060	+/-0.50	
Perylene-d12	583829	17.178	760502	17.177	77	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05403	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0432 (1202116-03)			Lab File ID: 0211603.D			Analyzed: 02/22/12 18:37			
1,4-Dichlorobenzene-d4	591168	5.344	761988	5.345	78	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2185634	7.013	2939255	7.021	74	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1005959	9.237	1296856	9.236	78	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1432677	11.015	2183756	11.017	66	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	803728	14.65	1296430	14.658	62	50 - 200	-0.0080	+/-0.50	
Perylene-d12	514350	17.175	760502	17.177	68	50 - 200	-0.0020	+/-0.50	
GW0433 (1202116-05)			Lab File ID: 0211605.D			Analyzed: 02/22/12 19:08			
1,4-Dichlorobenzene-d4	580534	5.344	761988	5.345	76	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2153422	7.013	2939255	7.021	73	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	974058	9.236	1296856	9.236	75	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1495210	11.014	2183756	11.017	68	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	736914	14.647	1296430	14.658	57	50 - 200	-0.0110	+/-0.50	
Perylene-d12	399339	17.173	760502	17.177	53	50 - 200	-0.0040	+/-0.50	
GW0447 (1202116-07)			Lab File ID: 0211607.D			Analyzed: 02/22/12 19:38			
1,4-Dichlorobenzene-d4	564827	5.344	761988	5.345	74	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2102313	7.013	2939255	7.021	72	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	991748	9.237	1296856	9.236	76	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1482882	11.016	2183756	11.017	68	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	808114	14.65	1296430	14.658	62	50 - 200	-0.0080	+/-0.50	
Perylene-d12	473317	17.176	760502	17.177	62	50 - 200	-0.0010	+/-0.50	
GW0471 (1202116-09)			Lab File ID: 0211609.D			Analyzed: 02/22/12 20:09			
1,4-Dichlorobenzene-d4	536094	5.344	761988	5.345	70	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1937874	7.013	2939255	7.021	66	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	891035	9.235	1296856	9.236	69	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1361453	11.013	2183756	11.017	62	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	936912	14.655	1296430	14.658	72	50 - 200	-0.0030	+/-0.50	
Perylene-d12	605521	17.178	760502	17.177	80	50 - 200	0.0010	+/-0.50	
GW0481 (1202116-11)			Lab File ID: 0211611.D			Analyzed: 02/22/12 20:40			
1,4-Dichlorobenzene-d4	605032	5.345	761988	5.345	79	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2221533	7.015	2939255	7.021	76	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1064800	9.24	1296856	9.236	82	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1633026	11.02	2183756	11.017	75	50 - 200	0.0030	+/-0.50	
Chrysene-d12	893739	14.653	1296430	14.658	69	50 - 200	-0.0050	+/-0.50	
Perylene-d12	507124	17.176	760502	17.177	67	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05403	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0434 (1202127-01)			Lab File ID: 0212701.D			Analyzed: 02/22/12 21:11			
1,4-Dichlorobenzene-d4	663195	5.344	761988	5.345	87	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2487053	7.014	2939255	7.021	85	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1113162	9.237	1296856	9.236	86	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1828052	11.015	2183756	11.017	84	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	999957	14.657	1296430	14.658	77	50 - 200	-0.0010	+/-0.50	
Perylene-d12	573185	17.182	760502	17.177	75	50 - 200	0.0050	+/-0.50	
GW0445 (1202127-03)			Lab File ID: 0212703.D			Analyzed: 02/22/12 21:41			
1,4-Dichlorobenzene-d4	549829	5.361	761988	5.345	72	50 - 200	0.0160	+/-0.50	
Naphthalene-d8	1652449	7.035	2939255	7.021	56	50 - 200	0.0140	+/-0.50	
Acenaphthene-d10	1437340	9.25	1296856	9.236	111	50 - 200	0.0140	+/-0.50	
Phenanthrene-d10	1513508	11.03	2183756	11.017	69	50 - 200	0.0130	+/-0.50	
Chrysene-d12	724011	14.656	1296430	14.658	56	50 - 200	-0.0020	+/-0.50	
Perylene-d12	433170	17.178	760502	17.177	57	50 - 200	0.0010	+/-0.50	
GW0469 (1202127-07)			Lab File ID: 0212707.D			Analyzed: 02/22/12 22:42			
1,4-Dichlorobenzene-d4	575101	5.349	761988	5.345	75	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	1947550	7.018	2939255	7.021	66	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	999874	9.245	1296856	9.236	77	50 - 200	0.0090	+/-0.50	
Phenanthrene-d10	1524073	11.02	2183756	11.017	70	50 - 200	0.0030	+/-0.50	
Chrysene-d12	894736	14.654	1296430	14.658	69	50 - 200	-0.0040	+/-0.50	
Perylene-d12	565289	17.178	760502	17.177	74	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05601	Instrument:	MS-BNA3
		Calibration:	2018001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05601-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/24/12 15:46			
1,4-Dichlorobenzene-d4	770937	5.671	753433	5.979	102	50 - 200	-0.3080	+/-0.50	
Naphthalene-d8	2651723	7.354	2615702	7.624	101	50 - 200	-0.2700	+/-0.50	
Acenaphthene-d10	1511870	9.603	1489342	9.847	102	50 - 200	-0.2440	+/-0.50	
Phenanthrene-d10	2342120	11.425	2539246	11.652	92	50 - 200	-0.2270	+/-0.50	
Chrysene-d12	1663052	15.324	1974246	15.59	84	50 - 200	-0.2660	+/-0.50	
Perylene-d12	1164096	17.99	1512987	18.266	77	50 - 200	-0.2760	+/-0.50	
Calibration Check (2B05601-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 02/24/12 16:16			
1,4-Dichlorobenzene-d4	676079	5.666	770937	5.671	88	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2318917	7.344	2651723	7.354	87	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1296343	9.598	1511870	9.603	86	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2136846	11.42	2342120	11.425	91	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1989344	15.314	1663052	15.324	120	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1413106	17.985	1164096	17.99	121	50 - 200	-0.0050	+/-0.50	
Blank (2B21009-BLK1)			Lab File ID: B21009B1.D			Analyzed: 02/24/12 16:46			
1,4-Dichlorobenzene-d4	616806	5.668	770937	5.671	80	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2286101	7.345	2651723	7.354	86	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1252429	9.599	1511870	9.603	83	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1891416	11.421	2342120	11.425	81	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1588387	15.316	1663052	15.324	96	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1388415	17.992	1164096	17.99	119	50 - 200	0.0020	+/-0.50	
LCS (2B21009-BS1)			Lab File ID: B21009L1.D			Analyzed: 02/24/12 17:16			
1,4-Dichlorobenzene-d4	748319	5.678	770937	5.671	97	50 - 200	0.0070	+/-0.50	
Naphthalene-d8	2581141	7.355	2651723	7.354	97	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1456248	9.61	1511870	9.603	96	50 - 200	0.0070	+/-0.50	
Phenanthrene-d10	2302600	11.431	2342120	11.425	98	50 - 200	0.0060	+/-0.50	
Chrysene-d12	1847922	15.331	1663052	15.324	111	50 - 200	0.0070	+/-0.50	
Perylene-d12	1252083	18.002	1164096	17.99	108	50 - 200	0.0120	+/-0.50	
GW0470 (1202127-09)			Lab File ID: 0212709.D			Analyzed: 02/24/12 18:45			
1,4-Dichlorobenzene-d4	920420	5.676	770937	5.671	119	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	3089237	7.353	2651723	7.354	116	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1740222	9.608	1511870	9.603	115	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10	2725789	11.429	2342120	11.425	116	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1740568	15.324	1663052	15.324	105	50 - 200	0.0000	+/-0.50	
Perylene-d12	1104995	17.995	1164096	17.99	95	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05601	Instrument:	MS-BNA3
		Calibration:	2018001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2B21009-MS1)			Lab File ID: 0212709M.D			Analyzed: 02/24/12 19:15			
1,4-Dichlorobenzene-d4	597721	5.669	770937	5.671	78	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1966993	7.352	2651723	7.354	74	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1092231	9.606	1511870	9.603	72	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	1930343	11.428	2342120	11.425	82	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1682351	15.328	1663052	15.324	101	50 - 200	0.0040	+/-0.50	
Perylene-d12	987096	17.993	1164096	17.99	85	50 - 200	0.0030	+/-0.50	
Matrix Spike Dup (2B21009-MSD1)			Lab File ID: 0212709S.D			Analyzed: 02/24/12 19:45			
1,4-Dichlorobenzene-d4	885664	5.667	770937	5.671	115	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	3056991	7.344	2651723	7.354	115	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1734016	9.599	1511870	9.603	115	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	2670345	11.426	2342120	11.425	114	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1921323	15.315	1663052	15.324	116	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1356560	17.98	1164096	17.99	117	50 - 200	-0.0100	+/-0.50	
GW0446 (1202127-05RE1)			Lab File ID: 0212705R.D			Analyzed: 02/25/12 01:41			
1,4-Dichlorobenzene-d4	826813	5.675	770937	5.671	107	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2396916	7.352	2651723	7.354	90	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1518569	9.612	1511870	9.603	100	50 - 200	0.0090	+/-0.50	
Phenanthrene-d10	2619968	11.428	2342120	11.425	112	50 - 200	0.0030	+/-0.50	
Chrysene-d12	2367432	15.323	1663052	15.324	142	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1615481	17.994	1164096	17.99	139	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06122	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2C06122-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/29/12 15:24			
1,4-Dichlorobenzene-d4	606307	5.028	562311	5.352	108	50 - 200	-0.3240	+/-0.50	
Naphthalene-d8	2335058	6.721	2176754	7.028	107	50 - 200	-0.3070	+/-0.50	
Acenaphthene-d10	1092410	8.942	998978	9.253	109	50 - 200	-0.3110	+/-0.50	
Phenanthrene-d10	1858621	10.714	1676737	11.04	111	50 - 200	-0.3260	+/-0.50	
Chrysene-d12	1431993	14.232	1257536	14.687	114	50 - 200	-0.4550	+/-0.50	
Perylene-d12	991529	16.687	991057	17.215	100	50 - 200	-0.5280	+/-0.50	
Calibration Check (2C06122-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 02/29/12 15:55			
1,4-Dichlorobenzene-d4	295061	5.016	606307	5.028	49	50 - 200	-0.0120	+/-0.50	*
Naphthalene-d8	1081187	6.701	2335058	6.721	46	50 - 200	-0.0200	+/-0.50	*
Acenaphthene-d10	559252	8.928	1092410	8.942	51	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1086218	10.702	1858621	10.714	58	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	912822	14.214	1431993	14.232	64	50 - 200	-0.0180	+/-0.50	
Perylene-d12	719079	16.667	991529	16.687	73	50 - 200	-0.0200	+/-0.50	
LCS (2B27016-BS1)			Lab File ID: B27016L1.D			Analyzed: 02/29/12 16:56			
1,4-Dichlorobenzene-d4	427044	5.014	606307	5.028	70	50 - 200	-0.0140	+/-0.50	
Naphthalene-d8	1591726	6.708	2335058	6.721	68	50 - 200	-0.0130	+/-0.50	
Acenaphthene-d10	719991	8.931	1092410	8.942	66	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1158299	10.707	1858621	10.714	62	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1077730	14.229	1431993	14.232	75	50 - 200	-0.0030	+/-0.50	
Perylene-d12	875013	16.678	991529	16.687	88	50 - 200	-0.0090	+/-0.50	
GW0470 (1202127-09RE1)			Lab File ID: 0212709R.D			Analyzed: 02/29/12 17:56			
1,4-Dichlorobenzene-d4	578791	5.022	606307	5.028	95	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2062789	6.708	2335058	6.721	88	50 - 200	-0.0130	+/-0.50	
Acenaphthene-d10	990260	8.93	1092410	8.942	91	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1769301	10.7	1858621	10.714	95	50 - 200	-0.0140	+/-0.50	
Chrysene-d12	1031481	14.219	1431993	14.232	72	50 - 200	-0.0130	+/-0.50	
Perylene-d12	805947	16.667	991529	16.687	81	50 - 200	-0.0200	+/-0.50	
Matrix Spike (2B27016-MS1)			Lab File ID: 0212709M.D			Analyzed: 02/29/12 18:27			
1,4-Dichlorobenzene-d4	529352	5.023	606307	5.028	87	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2074466	6.712	2335058	6.721	89	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	978600	8.936	1092410	8.942	90	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1664386	10.713	1858621	10.714	90	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1028731	14.227	1431993	14.232	72	50 - 200	-0.0050	+/-0.50	
Perylene-d12	747696	16.68	991529	16.687	75	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06122	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2B27016-MSD1)			Lab File ID: 0212709S.D			Analyzed: 02/29/12 18:57			
1,4-Dichlorobenzene-d4	486848	5.023	606307	5.028	80	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1890236	6.713	2335058	6.721	81	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	911370	8.928	1092410	8.942	83	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	1474694	10.705	1858621	10.714	79	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	870498	14.225	1431993	14.232	61	50 - 200	-0.0070	+/-0.50	
Perylene-d12	639088	16.673	991529	16.687	64	50 - 200	-0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06301	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2C06301-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 03/02/12 15:09			
1,4-Dichlorobenzene-d4	559429	5	562311	5.352	99	50 - 200	-0.3520	+/-0.50	
Naphthalene-d8	2103807	6.696	2176754	7.028	97	50 - 200	-0.3320	+/-0.50	
Acenaphthene-d10	1015841	8.911	998978	9.253	102	50 - 200	-0.3420	+/-0.50	
Phenanthrene-d10	1704393	10.679	1676737	11.04	102	50 - 200	-0.3610	+/-0.50	
Chrysene-d12	1224976	14.19	1257536	14.687	97	50 - 200	-0.4970	+/-0.50	
Perylene-d12	863163	16.64	991057	17.215	87	50 - 200	-0.5750	+/-0.50	
Calibration Check (2C06301-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 03/02/12 15:40			
1,4-Dichlorobenzene-d4	518443	4.995	559429	5	93	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	1942181	6.681	2103807	6.696	92	50 - 200	-0.0150	+/-0.50	
Acenaphthene-d10	967325	8.906	1015841	8.911	95	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1490011	10.672	1704393	10.679	87	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1156502	14.176	1224976	14.19	94	50 - 200	-0.0140	+/-0.50	
Perylene-d12	860493	16.628	863163	16.64	100	50 - 200	-0.0120	+/-0.50	
Blank (2B27016-BLK3)			Lab File ID: B27016B1.D			Analyzed: 03/02/12 16:11			
1,4-Dichlorobenzene-d4	585205	4.999	559429	5	105	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2210595	6.679	2103807	6.696	105	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10	1008394	8.902	1015841	8.911	99	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1640405	10.672	1704393	10.679	96	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1247836	14.187	1224976	14.19	102	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1046958	16.631	863163	16.64	121	50 - 200	-0.0090	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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	1.099645	10	1.08721	20	1.088531	40	1.08538	50	1.076802	60	1.066093
Acenaphthylene	5	1.687829	10	1.647954	20	1.658343	40	1.647007	50	1.62504	60	1.599837
Acetophenone	5	1.752095	10	1.720408	20	1.710806	40	1.67988	50	1.694411	60	1.667245
Aniline	5	1.951884	10	1.953217	20	1.980605	40	1.931454	50	1.973735	60	1.979408
Anthracene	5	1.093072	10	1.071359	20	1.074787	40	1.041736	50	1.042786	60	1.030433
Atrazine	5	0.2190275	10	0.2182218	20	0.2209032	40	0.2145689	50	0.2143194	60	0.2159646
Benzaldehyde	5		10		20		40		50		60	
Benzidine	5	0.4596811	10	0.482385	20	0.5252589	40	0.5095122	50	0.5058508	60	0.4514801
Benzo(a)anthracene	5	1.09225	10	1.084262	20	1.098197	40	1.092269	50	1.084065	60	1.101269
Benzo(a)pyrene	5	0.886153	10	0.963317	20	1.01147	40	1.034415	50	1.041445	60	1.049198
Benzo(b)fluoranthene	5	1.032243	10	0.9877985	20	1.035303	40	1.161608	50	1.115741	60	1.146269
Benzo(g,h,i)perylene	5	0.5963783	10	0.6614302	20	0.7195248	40	0.6732368	50	0.7076326	60	0.6689194
Benzoic acid	5	5.802461E-02	10	7.883856E-02	20	0.1324036	40	0.1578381	50	0.1778197	60	0.182594
Benzo(k)fluoranthene	5	1.135047	10	1.211179	20	1.19277	40	1.200635	50	1.187084	60	1.231869
Benzyl alcohol	5	0.7434721	10	0.7773001	20	0.7863348	40	0.7709163	50	0.7876434	60	0.7910692
1,1-Biphenyl	5	1.454972	10	1.418988	20	1.419115	40	1.417729	50	1.399993	60	1.38932
4-Bromophenyl-phenylether	5	0.2108277	10	0.2099414	20	0.2140885	40	0.2148079	50	0.2096901	60	0.2142373
Butylbenzylphthalate	5	0.5636734	10	0.5575714	20	0.5824496	40	0.6206631	50	0.5528926	60	0.605419
Caprolactam	5	9.447789E-02	10	9.279769E-02	20	9.915474E-02	40	0.1037033	50	0.105834	60	0.104064
Carbazole	5	0.9406306	10	0.8962811	20	0.8722007	40	0.8170244	50	0.8207895	60	0.7989994
4-Chloro-3-methylphenol	5	0.2617128	10	0.2691407	20	0.2793342	40	0.2855639	50	0.2922545	60	0.2932059
4-Chloroaniline	5	0.3845908	10	0.3895505	20	0.393817	40	0.397116	50	0.3988304	60	0.3988303
Bis(2-chloroethoxy)methane	5	0.4171126	10	0.4216569	20	0.4123614	40	0.4115103	50	0.4040945	60	0.407897
Bis(2-chloroethyl)ether	5	1.264741	10	1.283818	20	1.271025	40	1.233817	50	1.232407	60	1.226199
2,2'-Oxybis-1-chloropropane	5	1.465706	10	1.406555	20	1.381053	40	1.356219	50	1.358415	60	1.370043
2-Chloronaphthalene	5	1.113507	10	1.075205	20	1.075276	40	1.063572	50	1.054286	60	1.044039
2-Chlorophenol	5	1.221087	10	1.219068	20	1.219784	40	1.188589	50	1.208469	60	1.202068
4-Chlorophenyl phenyl ether	5	0.6482177	10	0.6157827	20	0.6225739	40	0.631092	50	0.6190542	60	0.6185451
Chrysene	5	1.010802	10	0.9977507	20	0.99748	40	0.9717849	50	0.9839071	60	0.9856004
Dibenz(a,h)anthracene	5	0.5046794	10	0.6144729	20	0.6878402	40	0.6685399	50	0.7209801	60	0.6943376
Dibenzofuran	5	1.504847	10	1.488855	20	1.472998	40	1.459343	50	1.43805	60	1.444506

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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	1.167208	10	1.153333	20	1.167617	40	1.135351	50	1.132935	60	1.111009
1,4-Dichlorobenzene	5	1.423978	10	1.396775	20	1.392666	40	1.364377	50	1.367876	60	1.352092
1,3-Dichlorobenzene	5	1.430799	10	1.402348	20	1.390985	40	1.345414	50	1.352205	60	1.338377
1,2-Dichlorobenzene	5	1.349651	10	1.310427	20	1.303944	40	1.271894	50	1.261842	60	1.264202
3,3'-Dichlorobenzidine	5	0.3184516	10	0.3084023	20	0.2634906	40	0.2273891	50	0.2617596	60	0.2440206
2,6-Dichlorophenol	5	0.2709395	10	0.2770937	20	0.277417	40	0.2770466	50	0.2755368	60	0.2798496
2,4-Dichlorophenol	5	0.2704021	10	0.2713937	20	0.279538	40	0.2836583	50	0.2833367	60	0.284339
Diethylphthalate	5	1.244705	10	1.23598	20	1.248526	40	1.219631	50	1.215761	60	1.216019
2,4-Dimethylphenol	5	0.3410857	10	0.3360695	20	0.3473828	40	0.346115	50	0.3465064	60	0.3487493
Dimethyl phthalate	5	1.270836	10	1.228934	20	1.245763	40	1.225395	50	1.205088	60	1.205332
4,6-Dinitro-2-methylphenol	5	8.478589E-02	10	0.1013206	20	0.1188932	40	0.1377699	50	0.1411528	60	0.140739
2,4-Dinitrophenol	5	0.0594931	10	8.228274E-02	20	0.1228974	40	0.163001	50	0.169713	60	0.1673009
2,4-Dinitrotoluene	5	0.3712137	10	0.355763	20	0.3793753	40	0.3798592	50	0.3866123	60	0.3761076
2,6-Dinitrotoluene	5	0.2938302	10	0.2802402	20	0.289903	40	0.290434	50	0.2883838	60	0.2858714
Di-n-octylphthalate	5	1.002014	10	1.150232	20	1.27187	40	1.482825	50	1.321974	60	1.529594
1,4-Dioxane	5	0.5469412	10	0.5279591	20	0.5408384	40	0.5114261	50	0.5263037	60	0.5250487
1,2-Diphenylhydrazine	5	0.7891546	10	0.7950555	20	0.7780679	40	0.7736842	50	0.7548722	60	0.7674821
Bis(2-ethylhexyl)phthalate	5	0.6647764	10	0.6652466	20	0.6992102	40	0.7496956	50	0.6979236	60	0.718862
Fluoranthene	5	1.154032	10	1.112036	20	1.138712	40	1.063741	50	1.125929	60	1.094165
Fluorene	5	1.269481	10	1.246899	20	1.248018	40	1.26397	50	1.280691	60	1.266309
2-Fluorobiphenyl	5	1.338642	10	1.312006	20	1.284487	40	1.29555	50	1.265758	60	1.260921
2-Fluorophenol	10	1.168705	20	1.178321	40	1.201522	80	1.156708	100	1.171908	120	1.168254
Hexachlorobenzene	5	0.2251647	10	0.2251625	20	0.2184576	40	0.2174657	50	0.2120833	60	0.2181688
Hexachlorobutadiene	5	0.2067122	10	0.2047139	20	0.202529	40	0.2018527	50	0.1971157	60	0.2014732
Hexachlorocyclopentadiene	5	0.1592609	10	0.1682215	20	0.1974354	40	0.2195155	50	0.21453	60	0.2201062
Hexachloroethane	5	0.5468977	10	0.5454322	20	0.5481373	40	0.5454637	50	0.5529386	60	0.5480913
Indeno(1,2,3-cd)pyrene	5	0.6951271	10	0.7668006	20	0.8605722	40	0.8294882	50	0.8864172	60	0.8477331
Isophorone	5	0.7176842	10	0.6858946	20	0.6948028	40	0.6877675	50	0.6841187	60	0.6855726
1-Methylnaphthalene	5	0.5490121	10	0.5383268	20	0.5293866	40	0.528097	50	0.5294106	60	0.524016
2-Methylnaphthalene	5	0.5592325	10	0.5484332	20	0.5430027	40	0.5357233	50	0.5333426	60	0.5292217
2-Methylphenol	5	1.090433	10	1.045623	20	1.064363	40	1.064088	50	1.08062	60	1.070237

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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	1.102359	10	1.086238	20	1.11617	40	1.106569	50	1.116185	60	1.112116
4-Methylphenol	5	1.102359	10	1.086238	20	1.11617	40	1.106569	50	1.116185	60	1.112116
3-Methylphenol/4-Methylphenol	5	1.102359	10	1.086238	20	1.11617	40	1.106569	50	1.116185	60	1.112116
Naphthalene	5	1.003354	10	0.9696888	20	0.9737203	40	0.9444167	50	0.9411343	60	0.9324952
4-Nitroaniline	5	0.2335456	10	0.2164311	20	0.2230828	40	0.2455072	50	0.2553614	60	0.2300693
3-Nitroaniline	5	0.2858486	10	0.2734493	20	0.2798206	40	0.2884962	50	0.2900325	60	0.2863389
2-Nitroaniline	5	0.3228904	10	0.3143443	20	0.3294999	40	0.3374943	50	0.3392579	60	0.3334089
Nitrobenzene	5	0.4153407	10	0.4085885	20	0.405041	40	0.4024612	50	0.399673	60	0.398301
Nitrobenzene-d5	5	0.403673	10	0.400511	20	0.4111902	40	0.4029672	50	0.4037066	60	0.4034839
4-Nitrophenol	5	0.1691384	10	0.1741816	20	0.2049761	40	0.2272051	50	0.2384552	60	0.2250346
2-Nitrophenol	5	0.1736607	10	0.1737003	20	0.1819372	40	0.1810132	50	0.183638	60	0.1835529
N-Nitrosodimethylamine	5	0.6573679	10	0.6454318	20	0.6691894	40	0.6418058	50	0.6719753	60	0.6627018
N-Nitrosodiphenylamine	5	0.6484735	10	0.6240569	20	0.6115685	40	0.6063833	50	0.6020161	60	0.6132258
N-Nitroso-di-n-propylamine	5	0.9242178	10	0.9400551	20	0.9545542	40	0.9306233	50	0.9383722	60	0.9335036
Pentachlorophenol	5	8.485009E-02	10	9.735697E-02	20	0.1223705	40	0.1368445	50	0.145114	60	0.1434159
Phenanthrene	5	1.088918	10	1.061706	20	1.052745	40	1.032614	50	1.019968	60	1.016345
Phenol	5	1.637383	10	1.630177	20	1.626973	40	1.601797	50	1.648957	60	1.637661
Phenol-d6	10	1.536621	20	1.509923	40	1.526047	80	1.501502	100	1.534705	120	1.517819
Pyrene	5	1.401748	10	1.324616	20	1.404005	40	1.630794	50	1.290998	60	1.502988
Pyridine	5	1.294943	10	1.275694	20	1.415272	40	1.378568	50	1.424467	60	1.372957
Terphenyl-d14	5	0.8384563	10	0.7978978	20	0.8617693	40	0.9845792	50	0.7964189	60	0.9312191
1,2,4,5-Tetrachlorobenzene	5	0.3231518	10	0.3277196	20	0.3224444	40	0.3246389	50	0.3233742	60	0.3208769
2,3,4,6-Tetrachlorophenol	5	0.2864746	10	0.2686735	20	0.2860182	40	0.3116734	50	0.3145157	60	0.3175651
2,4,6-Tribromophenol	10	8.831863E-02	20	9.188024E-02	40	9.349429E-02	80	9.906488E-02	100	9.806647E-02	120	0.100932
1,2,4-Trichlorobenzene	5	0.3531387	10	0.3541392	20	0.3559489	40	0.3424957	50	0.3398064	60	0.3417446
2,4,6-Trichlorophenol	5	0.3373467	10	0.3336926	20	0.3471189	40	0.3625883	50	0.3613885	60	0.358238
2,4,5-Trichlorophenol	5	0.3259354	10	0.3145791	20	0.3430925	40	0.3638883	50	0.3686169	60	0.367019

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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	1.078055	100	1.083924								
Acenaphthylene	80	1.590813	100	1.582627								
Acetophenone	80	1.681868	100	1.657357	5		10		20		40	
Aniline	80	2.03324	100	2.00732								
Anthracene	80	1.036163	100	1.015191								
Atrazine	80	0.2142557	100	0.2112284	5		10		20		40	
Benzaldehyde	80		100		5	1.077012	10	1.032452	20	0.9845757	40	0.9456845
Benzidine	80	0.4462506	100	0.5849585	5		10		20		40	
Benzo(a)anthracene	80	1.110007	100	1.102757								
Benzo(a)pyrene	80	1.04125	100	1.049426								
Benzo(b)fluoranthene	80	1.146769	100	1.165826								
Benzo(g,h,i)perylene	80	0.6224872	100	0.6501711								
Benzoic acid	80	0.220804	100	0.2353538								
Benzo(k)fluoranthene	80	1.23714	100	1.173931								
Benzyl alcohol	80	0.7993491	100	0.7933769								
1,1-Biphenyl	80	1.405387	100	1.387508	5		10		20		40	
4-Bromophenyl-phenylether	80	0.2125952	100	0.2169793								
Butylbenzylphthalate	80	0.5877274	100	0.580991								
Caprolactam	80	0.1047518	100	9.711532E-02	5		10		20		40	
Carbazole	80	0.8215712	100	0.824729								
4-Chloro-3-methylphenol	80	0.2986906	100	0.2938951								
4-Chloroaniline	80	0.4059744	100	0.4103709								
Bis(2-chloroethoxy)methane	80	0.4064922	100	0.4062653								
Bis(2-chloroethyl)ether	80	1.23445	100	1.227733								
2,2'-Oxybis-1-chloropropane	80	1.380348	100	1.368149								
2-Chloronaphthalene	80	1.052567	100	1.059085								
2-Chlorophenol	80	1.233226	100	1.212419								
4-Chlorophenyl phenyl ether	80	0.6307252	100	0.6353701								
Chrysene	80	0.9711069	100	0.9786123								
Dibenz(a,h)anthracene	80	0.6646052	100	0.6987982								
Dibenzofuran	80	1.435325	100	1.424575								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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	1.096152	100	1.082825								
1,4-Dichlorobenzene	80	1.382524	100	1.35997								
1,3-Dichlorobenzene	80	1.363283	100	1.343243								
1,2-Dichlorobenzene	80	1.28419	100	1.260076								
3,3'-Dichlorobenzidine	80	0.2832025	100	0.3055477	5		10		20		40	
2,6-Dichlorophenol	80	0.2844504	100	0.2852744	5		10		20		40	
2,4-Dichlorophenol	80	0.2882578	100	0.2883934								
Diethylphthalate	80	1.193371	100	1.192968								
2,4-Dimethylphenol	80	0.3501133	100	0.3461517								
Dimethyl phthalate	80	1.193194	100	1.195316								
4,6-Dinitro-2-methylphenol	80	0.1465772	100	0.1506947								
2,4-Dinitrophenol	80	0.1883077	100	0.190848								
2,4-Dinitrotoluene	80	0.3779444	100	0.3746262								
2,6-Dinitrotoluene	80	0.2880802	100	0.2888647								
Di-n-octylphthalate	80	1.465036	100	1.451621								
1,4-Dioxane	80	0.5209355	100	0.5114246	5		10		20		40	
1,2-Diphenylhydrazine	80	0.8636062	100	0.8483731								
Bis(2-ethylhexyl)phthalate	80	0.7265424	100	0.736408								
Fluoranthene	80	1.09946	100	1.080438								
Fluorene	80	1.282276	100	1.277203								
2-Fluorobiphenyl	80	1.263418	100	1.245619								
2-Fluorophenol	160	1.187199	200	1.18212								
Hexachlorobenzene	80	0.2175343	100	0.2177087								
Hexachlorobutadiene	80	0.1995166	100	0.1990882								
Hexachlorocyclopentadiene	80	0.2157778	100	0.2173762								
Hexachloroethane	80	0.5646521	100	0.5532471								
Indeno(1,2,3-cd)pyrene	80	0.8125731	100	0.8544885								
Isophorone	80	0.6874604	100	0.6873495								
1-Methylnaphthalene	80	0.5251143	100	0.5265685								
2-Methylnaphthalene	80	0.5425649	100	0.5363165								
2-Methylphenol	80	1.089352	100	1.071798								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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	1.140437	100	1.137437								
4-Methylphenol	80	1.140437	100	1.137437								
3-Methylphenol/4-Methylphenol	80	1.140437	100	1.137437								
Naphthalene	80	0.9348402	100	0.9108075								
4-Nitroaniline	80	0.2507413	100	0.2521367								
3-Nitroaniline	80	0.2974626	100	0.298195								
2-Nitroaniline	80	0.339035	100	0.3380732								
Nitrobenzene	80	0.398528	100	0.3957493								
Nitrobenzene-d5	80	0.4068501	100	0.4042378								
4-Nitrophenol	80	0.2432054	100	0.2511138								
2-Nitrophenol	80	0.1870452	100	0.1869963								
N-Nitrosodimethylamine	80	0.6723763	100	0.660402								
N-Nitrosodiphenylamine	80	0.6122317	100	0.6135862								
N-Nitroso-di-n-propylamine	80	0.9547	100	0.957528								
Pentachlorophenol	80	0.1520449	100	0.1518006								
Phenanthrene	80	1.013443	100	1.016072								
Phenol	80	1.691432	100	1.683341								
Phenol-d6	160	1.562313	200	1.553038								
Pyrene	80	1.428171	100	1.447726								
Pyridine	80	1.413475	100	1.389169								
Terphenyl-d14	80	0.8887512	100	0.9050433								
1,2,4,5-Tetrachlorobenzene	80	0.3207592	100	0.3204204	5		10		20		40	
2,3,4,6-Tetrachlorophenol	80	0.3239844	100	0.3274504	5		10		20		40	
2,4,6-Tribromophenol	160	0.1042032	200	0.1055216								
1,2,4-Trichlorobenzene	80	0.3431826	100	0.3400066								
2,4,6-Trichlorophenol	80	0.3629532	100	0.3634456								
2,4,5-Trichlorophenol	80	0.3775557	100	0.3760906								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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		60		80							
Aniline												
Anthracene												
Atrazine	50		60		80							
Benzaldehyde	50	0.8692097	60	0.7985797	80	0.7391587						
Benzidine	50		60		80							
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		60		80							
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50		60		80							
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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		60		80							
2,6-Dichlorophenol	50		60		80							
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		60		80							
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

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		60		80							
2,3,4,6-Tetrachlorophenol	50		60		80							
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_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2018001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	1/10/12 9:58	1/10/12 17:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.083205	0.9101484	9.885	7.623863E-02			CCC (30)	
Acenaphthylene	1.629931	2.256984	9.653375	0.0660306			15	
Acetophenone	1.695509	1.830379	6.535375	0.1316771			15	
Aniline	1.976358	1.642797	5.615125	9.922488E-02			15	
Anthracene	1.050691	2.499634	11.72812	6.321158E-02			15	
Atrazine	0.2160612	1.451031	11.358	0.1062482			15	
Benzaldehyde	0.9209532	13.4564	5.429429	1.760792E-02			15	
Benzidine	0.4956721	9.342119	13.42875	4.201085E-02			15	
Benzo(a)anthracene	1.095634	0.8319924	15.5455	6.207274E-02			15	
Benzo(a)pyrene	1.009584	5.69871	18.152	6.627616E-02			CCC (30)	
Benzo(b)fluoranthene	1.098945	6.347564	17.561	6.653683E-02			15	
Benzo(g,h,i)perylene	0.6624725	6.137325	20.73612	8.018091E-02			15	
Benzoic acid	0.1554595	40.53073	7.418875	0.6631498		0.9976823	0.99	
Benzo(k)fluoranthene	1.196207	2.740555	17.60712	8.413241E-02			15	
Benzyl alcohol	0.7811827	2.262811	6.190875	0.1442823			15	
1,1-Biphenyl	1.411627	1.533431	9.117625	6.499553E-02			15	
4-Bromophenyl-phenylether	0.2128959	1.216142	11.09612	4.948606E-02			15	
Butylbenzylphthalate	0.5814234	4.035936	14.65875	4.335782E-02			15	
Caprolactam	0.1002373	5.027883	8.19075	0.6254578			15	
Carbazole	0.8490283	5.775201	11.9395	5.527529E-02			15	
4-Chloro-3-methylphenol	0.2842247	4.621817	8.387125	0.1394119			CCC (30)	
4-Chloroaniline	0.397385	2.093473	7.757875	0.1078696			15	
Bis(2-chloroethoxy)methane	0.4109238	1.463158	7.351875	0.1134847			15	
Bis(2-chloroethyl)ether	1.246774	1.817749	5.692	0.1533523			15	
2,2'-Oxybis-1-chloropropane	1.385811	2.594986	6.385	7.462439E-02			15	
2-Chloronaphthalene	1.067192	2.025277	9.12825	6.716463E-02			15	
2-Chlorophenol	1.213089	1.120603	5.748875	9.234878E-02			15	
4-Chlorophenyl phenyl ether	0.6276701	1.732032	10.5025	5.348086E-02			15	
Chrysene	0.9871305	1.410904	15.629	6.974049E-02			15	
Dibenz(a,h)anthracene	0.6567817	10.51516	20.242	7.278216E-02			15	
Dibenzofuran	1.458562	1.936169	10.07663	0.0658387			15	
Di-n-butylphthalate	1.130804	2.817955	12.42637	4.650415E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2018001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	1/10/12 9:58 1/10/12 17:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.380032	1.722089	5.995	7.843345E-02			CCC (30)	
1,3-Dichlorobenzene	1.370832	2.44442	5.926375	7.222639E-02			15	
1,2-Dichlorobenzene	1.288278	2.43025	6.23625	6.631569E-02			15	
3,3'-Dichlorobenzidine	0.276533	11.85234	15.5615	4.815125E-02			15	
2,6-Dichlorophenol	0.278451	1.686141	7.76075	7.834406E-02			15	
2,4-Dichlorophenol	0.2811649	2.469716	7.465125	9.891327E-02			CCC (30)	
Diethylphthalate	1.22087	1.736797	10.43975	7.832606E-02			15	
2,4-Dimethylphenol	0.3452717	1.319043	7.23125	0.1243115			15	
Dimethyl phthalate	1.221232	2.212437	9.57775	0.1115088			15	
4,6-Dinitro-2-methylphenol	0.1277417	18.60187	10.64225	0.1383784	0.9990027		0.995	
2,4-Dinitrophenol	0.1429805	34.57842	9.954375	9.186983E-02	0.9961831		SPCC (0.05)	
2,4-Dinitrotoluene	0.3751877	2.40886	10.14338	0.1067381			15	
2,6-Dinitrotoluene	0.2882009	1.368334	9.6645	9.842674E-02			15	
Di-n-octylphthalate	1.334396	13.85888	16.90712	3.067726E-02			CCC (30)	
1,4-Dioxane	0.5263597	2.395623	2.67425	7.452113E-02			15	
1,2-Diphenylhydrazine	0.796287	4.906458	10.69475	5.974852E-02			15	
Bis(2-ethylhexyl)phthalate	0.7073331	4.431781	15.74125	2.670977E-02			15	
Fluoranthene	1.108564	2.723364	13.219	6.082186E-02			CCC (30)	
Fluorene	1.266856	1.077745	10.5025	6.123319E-02			15	
2-Fluorobiphenyl	1.2833	2.403908	9.011	6.987202E-02			15	
2-Fluorophenol	1.176842	1.165142	4.420625	9.010437E-02			15	
Hexachlorobenzene	0.2189682	1.975404	11.278	0.0481927			15	
Hexachlorobutadiene	0.2016252	1.540461	7.87825	3.346617E-02			CCC (30)	
Hexachlorocyclopentadiene	0.2015279	12.16118	8.805875	2.766948E-02			SPCC (0.05)	
Hexachloroethane	0.5506075	1.16707	6.625375	2.549683E-02			15	
Indeno(1,2,3-cd)pyrene	0.81915	7.522365	20.20325	6.592576E-02			15	
Isophorone	0.6913313	1.60776	7.051625	0.165534			15	
1-Methylnaphthalene	0.5312415	1.581805	8.655625	5.248298E-02			15	
2-Methylnaphthalene	0.5409797	1.76924	8.51725	5.089314E-02			15	
2-Methylphenol	1.072064	1.381287	6.36375	0.1277759			15	
3-Methylphenol	1.114689	1.597239	6.558	0.1649778			15	
4-Methylphenol	1.114689	1.597239	6.558	0.1649778			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2018001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	1/10/12 9:58	1/10/12 17:07

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.114689	1.597239	6.558	0.1649778			15	
Naphthalene	0.9513071	3.068643	7.645875	6.154678E-02			15	
4-Nitroaniline	0.2383594	6.119632	10.60075	0.1760939			15	
3-Nitroaniline	0.2874555	2.885201	9.834875	0.1206599			15	
2-Nitroaniline	0.3317505	2.724079	9.31325	7.914378E-02			15	
Nitrobenzene	0.4029603	1.607475	6.75775	0.1194354			15	
Nitrobenzene-d5	0.4045775	0.7866894	6.732375	0.1246521			15	
4-Nitrophenol	0.2166638	14.32948	10.04925	0.1277065			SPCC (0.05)	
2-Nitrophenol	0.181443	2.889721	7.16575	5.623153E-02			CCC (30)	
N-Nitrosodimethylamine	0.6601563	1.75391	3.01225	0.1120891			15	
N-Nitrosodiphenylamine	0.6164427	2.337373	10.6675	0.1007832			CCC (30)	
N-Nitroso-di-n-propylamine	0.9416943	1.327576	6.574125	0.1937295			SPCC (0.05)	
Pentachlorophenol	0.1292247	19.78123	11.50287	4.041963E-02	0.9989765		CCC (30)	
Phenanthrene	1.037726	2.646208	11.67575	5.644054E-02			15	
Phenol	1.644715	1.804252	5.605875	0.2338798			CCC (30)	
Phenol-d6	1.530246	1.357215	5.591125	0.2424652			15	
Pyrene	1.428881	7.380675	13.54688	6.656789E-02			15	
Pyridine	1.370568	4.079243	3.004875	0.1495075			15	
Terphenyl-d14	0.8755169	7.463366	13.79912	0.0428892			15	
1,2,4,5-Tetrachlorobenzene	0.3229232	0.7545002	8.783875	5.471036E-02			15	
2,3,4,6-Tetrachlorophenol	0.3045444	6.997387	10.29087	5.812619E-02			15	
2,4,6-Tribromophenol	9.768516E-02	6.184412	10.82975	7.484118E-02			15	
1,2,4-Trichlorobenzene	0.3463078	1.976746	7.571	6.098557E-02			15	
2,4,6-Trichlorophenol	0.3533465	3.465044	8.917375	4.929742E-02			CCC (30)	
2,4,5-Trichlorophenol	0.3545972	6.72577	8.96675	9.599952E-02			15	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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_044
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_044
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_044
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_044
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_044
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_044
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_044
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_044	
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_044	
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV1	Injection Time:	09:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	54.02	1.083205	1.170369		8.0	20
Acenaphthylene	A	50.00	54.09	1.629931	1.763323		8.2	20
Acetophenone	A	50.00	51.81	1.695509	1.756828		3.6	20
Anthracene	A	50.00	53.63	1.050691	1.127013		7.3	20
Atrazine	A	50.00	50.85	0.2160612	0.2197524		1.7	20
Benzo(a)anthracene	A	50.00	55.02	1.095634	1.205595		10.0	20
Benzo(a)pyrene	A	50.00	55.55	1.009584	1.121572		11.1	20
Benzo(b)fluoranthene	A	50.00	55.71	1.098945	1.224545		11.4	20
Benzo(g,h,i)perylene	A	50.00	59.33	0.6624725	0.7861028		18.7	20
Benzoic acid	Q	50.00	54.61	0.1554595	0.1982805		9.2	20
Benzo(k)fluoranthene	A	50.00	53.86	1.196207	1.288638		7.7	20
1,1-Biphenyl	A	50.00	52.94	1.411627	1.494502		5.9	20
4-Bromophenyl-phenylether	A	50.00	54.87	0.2128959	0.2336365		9.7	20
Butylbenzylphthalate	A	50.00	57.40	0.5814234	0.6674546		14.8	20
Caprolactam	A	50.00	53.36	0.1002373	0.1069689		6.7	20
4-Chloro-3-methylphenol	A	50.00	53.83	0.2842247	0.3060243		7.7	20
4-Chloroaniline	A	50.00	49.95	0.397385	0.3969491		-0.1	20
Bis(2-chloroethoxy)methane	A	50.00	54.30	0.4109238	0.4462953		8.6	20
Bis(2-chloroethyl)ether	A	50.00	53.39	1.246774	1.331418		6.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	53.14	1.385811	1.472958		6.3	20
2-Chloronaphthalene	A	50.00	53.22	1.067192	1.135871		6.4	20
2-Chlorophenol	A	50.00	53.12	1.213089	1.288772		6.2	20
4-Chlorophenyl phenyl ether	A	50.00	52.68	0.6276701	0.6613635		5.4	20
Chrysene	A	50.00	57.39	0.9871305	1.133101		14.8	20
Dibenzofuran	A	50.00	54.33	1.458562	1.584835		8.7	20
Di-n-butylphthalate	A	50.00	51.99	1.130804	1.17588		4.0	20
2,4-Dichlorophenol	A	50.00	53.82	0.2811649	0.3026628		7.6	20
Diethylphthalate	A	50.00	52.66	1.22087	1.285853		5.3	20
2,4-Dimethylphenol	A	50.00	54.12	0.3452717	0.3737187		8.2	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV1	Injection Time:	09:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Dimethyl phthalate	A	50.00	51.60	1.221232	1.260415		3.2	20
4,6-Dinitro-2-methylphenol	L	50.00	54.25	0.1277417	0.1557027		8.5	20
2,4-Dinitrophenol	L	50.00	49.00	0.1429805	0.1704763	0.05	-2.0	20
2,4-Dinitrotoluene	A	50.00	54.66	0.3751877	0.4101718		9.3	20
2,6-Dinitrotoluene	A	50.00	53.95	0.2882009	0.3109473		7.9	20
Di-n-octylphthalate	A	50.00	58.07	1.334396	1.549779		16.1	20
1,2-Diphenylhydrazine	A	50.00	53.39	0.796287	0.8502481		6.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	57.04	0.7073331	0.8069334		14.1	20
Fluoranthene	A	50.00	52.12	1.108564	1.155484		4.2	20
Fluorene	A	50.00	53.56	1.266856	1.356993		7.1	20
Hexachlorobenzene	A	50.00	56.58	0.2189682	0.2477809		13.2	20
Hexachlorobutadiene	A	50.00	57.70	0.2016252	0.2326878		15.4	20
Hexachlorocyclopentadiene	A	50.00	52.39	0.2015279	0.2111448	0.05	4.8	20
Hexachloroethane	A	50.00	53.12	0.5506075	0.5849662		6.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	59.73	0.81915	0.9784756		19.5	20
Isophorone	A	50.00	52.35	0.6913313	0.7237842		4.7	20
1-Methylnaphthalene	A	50.00	52.49	0.5312415	0.5577491		5.0	20
2-Methylnaphthalene	A	50.00	52.61	0.5409797	0.5692651		5.2	20
2-Methylphenol	A	50.00	52.79	1.072064	1.131914		5.6	20
3-Methylphenol/4-Methylphenol	A	50.00	52.20	1.114689	1.163667		4.4	20
Naphthalene	A	50.00	59.12	0.9513071	1.124916		18.2	20
4-Nitroaniline	A	50.00	41.77	0.2383594	0.1991106		-16.5	20
2-Nitroaniline	A	50.00	55.32	0.3317505	0.3670605		10.6	20
Nitrobenzene	A	50.00	52.76	0.4029603	0.4252031		5.5	20
4-Nitrophenol	A	50.00	54.24	0.2166638	0.2350351	0.05	8.5	20
2-Nitrophenol	A	50.00	54.19	0.181443	0.1966465		8.4	20
N-Nitrosodiphenylamine	A	50.00	52.97	0.6164427	0.6531074		5.9	20
N-Nitroso-di-n-propylamine	A	50.00	52.66	0.9416943	0.9918589	0.05	5.3	20
Phenanthrene	A	50.00	54.83	1.037726	1.137873		9.7	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV1	Injection Time:	09:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Phenol	A	50.00	52.55	1.644715	1.728599		5.1	20
Pyrene	A	50.00	54.83	1.428881	1.566982		9.7	20
2,4,6-Trichlorophenol	A	50.00	54.90	0.3533465	0.3879634		9.8	20
2,4,5-Trichlorophenol	A	50.00	56.25	0.3545972	0.3989087		12.5	20
2-Fluorobiphenyl	A	50.00	52.04	1.2833	1.335615		4.1	20
2-Fluorophenol	A	100.0	110.1	1.176842	1.296244		10.1	20
Nitrobenzene-d5	A	50.00	52.70	0.4045775	0.426449		5.4	20
Phenol-d6	A	100.0	99.38	1.530246	1.520828		-0.6	20
Terphenyl-d14	A	50.00	54.02	0.8755169	0.9459535		8.0	20
2,4,6-Tribromophenol	A	100.0	105.1	9.768516E-02	0.1026211		5.1	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV3.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV2	Injection Time:	12:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Carbazole	A	50.00	41.59	0.8490283	0.7062976		-16.8	20
Dibenz(a,h)anthracene	A	50.00	45.09	0.6567817	0.5922646		-9.8	20
3-Nitroaniline	A	50.00	41.03	0.2874555	0.2358981		-17.9	20
Pentachlorophenol	L	50.00	45.95	0.1292247	0.1323194		-8.1	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV3	Injection Time:	12:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzidine	A	50.00	58.22	0.4956721	0.5771846		16.4	20
3,3'-Dichlorobenzidine	A	50.00	53.14	0.276533	0.2939052		6.3	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-ICV5.D	Calibration Date:	01/10/12 00:00
Sequence:	2A01401	Injection Date:	01/11/12
Lab Sample ID:	2A01401-ICV4	Injection Time:	13:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	57.34	0.9209532	1.056099		14.7	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_044
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_044
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_044
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_044
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_044
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05211	Injection Date:	02/18/12
Lab Sample ID:	2B05211-CCV1	Injection Time:	13:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	49.74	1.16059	1.154448		-0.5	20
Acenaphthylene	A	50.00	53.02	1.931371	2.048253		6.1	20
Anthracene	A	50.00	45.80	1.103275	1.010596		-8.4	20
Benzo(a)anthracene	A	50.00	48.68	1.152131	1.121784		-2.6	20
Benzo(a)pyrene	A	50.00	49.00	1.007905	0.9878368		-2.0	20
Benzo(b)fluoranthene	A	50.00	50.27	1.182679	1.188987		0.5	20
Benzo(g,h,i)perylene	A	50.00	51.94	0.7814949	0.8117992		3.9	20
Benzoic acid	A	50.00	41.71	0.2405269	0.2006674		-16.6	20
Benzo(k)fluoranthene	A	50.00	47.15	1.198664	1.130356		-5.7	20
4-Bromophenyl-phenylether	A	50.00	48.73	0.2146923	0.2092466		-2.5	20
Butylbenzylphthalate	A	50.00	50.68	0.7877604	0.7984312		1.4	20
Carbazole	A	50.00	48.88	1.029032	1.005883		-2.2	20
4-Chloro-3-methylphenol	A	50.00	51.26	0.2677559	0.2744796		2.5	20
4-Chloroaniline	A	50.00	50.93	0.4212397	0.4290676		1.9	20
Bis(2-chloroethoxy)methane	A	50.00	49.80	0.4425268	0.4407786		-0.4	20
Bis(2-chloroethyl)ether	A	50.00	50.52	1.489784	1.505202		1.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	49.39	2.046488	2.021459		-1.2	20
2-Chloronaphthalene	A	50.00	49.12	1.216702	1.195246		-1.8	20
2-Chlorophenol	A	50.00	50.71	1.451974	1.4725		1.4	20
4-Chlorophenyl phenyl ether	A	50.00	47.47	0.5900974	0.5602785		-5.1	20
Chrysene	A	50.00	47.83	1.048386	1.002805		-4.3	20
Dibenz(a,h)anthracene	A	50.00	51.74	0.7877702	0.8151539		3.5	20
Dibenzofuran	A	50.00	47.72	1.657947	1.582412		-4.6	20
Di-n-butylphthalate	A	50.00	42.72	1.431001	1.22281		-14.5	20
2,4-Dichlorophenol	A	50.00	49.29	0.2671797	0.2633959		-1.4	20
Diethylphthalate	A	50.00	47.76	1.519219	1.451311		-4.5	20
2,4-Dimethylphenol	A	50.00	49.05	0.3315046	0.3251885		-1.9	20
Dimethyl phthalate	A	50.00	47.86	1.343635	1.286261		-4.3	20
4,6-Dinitro-2-methylphenol	L	50.00	48.76	0.1585178	0.1633487		-2.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05211	Injection Date:	02/18/12
Lab Sample ID:	2B05211-CCV1	Injection Time:	13:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	43.53	0.206192	0.2087333	0.05	-12.9	20
2,4-Dinitrotoluene	A	50.00	48.63	0.521052	0.5067859		-2.7	20
2,6-Dinitrotoluene	A	50.00	52.18	0.3967176	0.4140233		4.4	20
Di-n-octylphthalate	A	50.00	44.30	2.209015	1.957293		-11.4	20
1,2-Diphenylhydrazine	A	50.00	53.54	0.9459381	1.012973		7.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	45.12	1.098864	0.9916668		-9.8	20
Fluoranthene	A	50.00	39.79	1.03856	0.8265407		-20.4	20 *
Fluorene	A	50.00	44.44	1.297136	1.153011		-11.1	20
Hexachlorobenzene	A	50.00	47.21	0.2693626	0.2543276		-5.6	20
Hexachlorobutadiene	A	50.00	48.15	0.1602586	0.1543201		-3.7	20
Hexachlorocyclopentadiene	A	50.00	56.43	0.3304642	0.372949	0.05	12.9	20
Hexachloroethane	A	50.00	48.19	0.5511715	0.5312153		-3.6	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.62	0.7943706	0.8041608		1.2	20
Isophorone	A	50.00	50.13	0.709806	0.7116239		0.3	20
1-Methylnaphthalene	A	50.00	49.28	0.4588489	0.4522026		-1.4	20
2-Methylnaphthalene	A	50.00	48.30	0.4643082	0.4485433		-3.4	20
2-Methylphenol	A	50.00	50.60	1.170228	1.184322		1.2	20
3-Methylphenol/4-Methylphenol	A	50.00	45.70	1.229111	1.123362		-8.6	20
Naphthalene	A	50.00	48.57	0.9644021	0.9368339		-2.9	20
4-Nitroaniline	A	50.00	51.57	0.3695132	0.381089		3.1	20
3-Nitroaniline	A	50.00	54.77	0.4095054	0.4485922		9.5	20
2-Nitroaniline	A	50.00	51.86	0.3596564	0.3730644		3.7	20
Nitrobenzene	A	50.00	49.01	0.3567881	0.3497582		-2.0	20
4-Nitrophenol	A	50.00	50.05	0.2316481	0.2318836	0.05	0.1	20
2-Nitrophenol	A	50.00	50.76	0.2117473	0.2149719		1.5	20
N-Nitrosodiphenylamine	A	50.00	47.74	0.6232956	0.5951246		-4.5	20
N-Nitroso-di-n-propylamine	A	50.00	49.73	0.8744148	0.8696627	0.05	-0.5	20
Pentachlorophenol	A	50.00	49.06	0.176134	0.1728257		-1.9	20
Phenanthrene	A	50.00	44.75	1.0766	0.9635591		-10.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05211	Injection Date:	02/18/12
Lab Sample ID:	2B05211-CCV1	Injection Time:	13:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.19	1.818861	1.789368		-1.6	20
Pyrene	A	50.00	57.77	1.388531	1.604357		15.5	20
2,4,6-Trichlorophenol	A	50.00	51.86	0.4236546	0.4393888		3.7	20
2,4,5-Trichlorophenol	A	50.00	50.38	0.4209953	0.4241544		0.8	20
2-Fluorobiphenyl	A	50.00	50.39	1.254622	1.264374		0.8	20
2-Fluorophenol	A	100.0	99.97	1.19198	1.191676		-0.03	20
Nitrobenzene-d5	A	50.00	50.48	0.3391874	0.3424253		1.0	20
Phenol-d6	A	100.0	94.85	1.579612	1.498221		-5.2	20
Terphenyl-d14	A	50.00	57.14	0.8105471	0.9262211		14.3	20
2,4,6-Tribromophenol	A	100.0	99.64	0.1363191	0.1358266		-0.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05211	Injection Date:	02/18/12
Lab Sample ID:	2B05211-CCV2	Injection Time:	13:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.33	1.744673	1.721271		-1.3	20
Atrazine	A	50.00	51.20	0.2115523	0.2166442		2.4	20
Benzaldehyde	A	50.00	51.34	1.097219	1.126655		2.7	20
Benzidine	A	50.00	59.65	0.8220668	0.9807132		19.3	20
1,1-Biphenyl	A	50.00	50.10	1.433709	1.436582		0.2	20
Caprolactam	A	50.00	48.62	0.1124745	0.109362		-2.8	20
3,3'-Dichlorobenzidine	A	50.00	50.16	0.4155803	0.4169399		0.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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_044
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

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05311	Injection Date:	02/21/12
Lab Sample ID:	2B05311-CCV1	Injection Time:	15:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	48.56	1.16059	1.127191		-2.9	20
Acenaphthylene	A	50.00	49.78	1.931371	1.922757		-0.4	20
Anthracene	A	50.00	47.50	1.103275	1.048177		-5.0	20
Benzo(a)anthracene	A	50.00	48.95	1.152131	1.128011		-2.1	20
Benzo(a)pyrene	A	50.00	49.49	1.007905	0.9977205		-1.0	20
Benzo(b)fluoranthene	A	50.00	54.40	1.182679	1.286732		8.8	20
Benzo(g,h,i)perylene	A	50.00	39.57	0.7814949	0.6185507		-20.9	20 *
Benzoic acid	A	50.00	52.26	0.2405269	0.2514191		4.5	20
Benzo(k)fluoranthene	A	50.00	51.78	1.198664	1.241254		3.6	20
4-Bromophenyl-phenylether	A	50.00	49.16	0.2146923	0.2110901		-1.7	20
Butylbenzylphthalate	A	50.00	56.62	0.7877604	0.8921208		13.2	20
Carbazole	A	50.00	47.56	1.029032	0.9787913		-4.9	20
4-Chloro-3-methylphenol	A	50.00	50.06	0.2677559	0.2680949		0.1	20
4-Chloroaniline	A	50.00	50.16	0.4212397	0.4226333		0.3	20
Bis(2-chloroethoxy)methane	A	50.00	49.18	0.4425268	0.4352342		-1.6	20
Bis(2-chloroethyl)ether	A	50.00	50.32	1.489784	1.499195		0.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	45.20	2.046488	1.849953		-9.6	20
2-Chloronaphthalene	A	50.00	50.20	1.216702	1.221622		0.4	20
2-Chlorophenol	A	50.00	50.31	1.451974	1.460934		0.6	20
4-Chlorophenyl phenyl ether	A	50.00	46.14	0.5900974	0.5444952		-7.7	20
Chrysene	A	50.00	48.59	1.048386	1.018884		-2.8	20
Dibenz(a,h)anthracene	A	50.00	41.34	0.7877702	0.6512996		-17.3	20
Dibenzofuran	A	50.00	49.69	1.657947	1.64754		-0.6	20
Di-n-butylphthalate	A	50.00	48.80	1.431001	1.396526		-2.4	20
2,4-Dichlorophenol	A	50.00	48.20	0.2671797	0.2575554		-3.6	20
Diethylphthalate	A	50.00	50.98	1.519219	1.549085		2.0	20
2,4-Dimethylphenol	A	50.00	48.40	0.3315046	0.3209275		-3.2	20
Dimethyl phthalate	A	50.00	50.06	1.343635	1.345154		0.1	20
4,6-Dinitro-2-methylphenol	L	50.00	50.54	0.1585178	0.1696376		1.1	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05311	Injection Date:	02/21/12
Lab Sample ID:	2B05311-CCV1	Injection Time:	15:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	49.61	0.206192	0.2420182	0.05	-0.8	20
2,4-Dinitrotoluene	A	50.00	50.24	0.521052	0.5235729		0.5	20
2,6-Dinitrotoluene	A	50.00	49.26	0.3967176	0.3908422		-1.5	20
Di-n-octylphthalate	A	50.00	63.58	2.209015	2.808902		27.2	20 *
1,2-Diphenylhydrazine	A	50.00	52.06	0.9459381	0.9848207		4.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.36	1.098864	1.172728		6.7	20
Fluoranthene	A	50.00	45.43	1.03856	0.9436273		-9.1	20
Fluorene	A	50.00	45.80	1.297136	1.188274		-8.4	20
Hexachlorobenzene	A	50.00	46.90	0.2693626	0.2526467		-6.2	20
Hexachlorobutadiene	A	50.00	46.70	0.1602586	0.1496838		-6.6	20
Hexachlorocyclopentadiene	A	50.00	53.49	0.3304642	0.3535317	0.05	7.0	20
Hexachloroethane	A	50.00	44.38	0.5511715	0.4892555		-11.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	40.32	0.7943706	0.6405693		-19.4	20
Isophorone	A	50.00	50.17	0.709806	0.7122583		0.3	20
1-Methylnaphthalene	A	50.00	48.97	0.4588489	0.4494328		-2.1	20
2-Methylnaphthalene	A	50.00	49.24	0.4643082	0.4572083		-1.5	20
2-Methylphenol	A	50.00	47.60	1.170228	1.114051		-4.8	20
3-Methylphenol/4-Methylphenol	A	50.00	41.94	1.229111	1.0311		-16.1	20
Naphthalene	A	50.00	47.81	0.9644021	0.9220919		-4.4	20
4-Nitroaniline	A	50.00	50.26	0.3695132	0.3714412		0.5	20
3-Nitroaniline	A	50.00	47.89	0.4095054	0.3922404		-4.2	20
2-Nitroaniline	A	50.00	49.16	0.3596564	0.3536033		-1.7	20
Nitrobenzene	A	50.00	49.05	0.3567881	0.3500283		-1.9	20
4-Nitrophenol	A	50.00	48.50	0.2316481	0.2247238	0.05	-3.0	20
2-Nitrophenol	A	50.00	51.52	0.2117473	0.2181929		3.0	20
N-Nitrosodiphenylamine	A	50.00	48.59	0.6232956	0.605766		-2.8	20
N-Nitroso-di-n-propylamine	A	50.00	46.42	0.8744148	0.8117686	0.05	-7.2	20
Pentachlorophenol	A	50.00	53.71	0.176134	0.1892114		7.4	20
Phenanthrene	A	50.00	46.80	1.0766	1.007764		-6.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05311	Injection Date:	02/21/12
Lab Sample ID:	2B05311-CCV1	Injection Time:	15:27

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.12	1.818861	1.713977		-5.8	20
Pyrene	A	50.00	57.54	1.388531	1.598063		15.1	20
2,4,6-Trichlorophenol	A	50.00	49.03	0.4236546	0.4154566		-1.9	20
2,4,5-Trichlorophenol	A	50.00	51.92	0.4209953	0.4371478		3.8	20
2-Fluorobiphenyl	A	50.00	49.31	1.254622	1.237296		-1.4	20
2-Fluorophenol	A	100.0	98.07	1.19198	1.169033		-1.9	20
Nitrobenzene-d5	A	50.00	49.89	0.3391874	0.3384714		-0.2	20
Phenol-d6	A	100.0	93.36	1.579612	1.474674		-6.6	20
Terphenyl-d14	A	50.00	56.81	0.8105471	0.921		13.6	20
2,4,6-Tribromophenol	A	100.0	97.49	0.1363191	0.132896		-2.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05311	Injection Date:	02/21/12
Lab Sample ID:	2B05311-CCV2	Injection Time:	15:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	53.36	1.744673	1.861866		6.7	20
Atrazine	A	50.00	49.89	0.2115523	0.2110907		-0.2	20
Benzaldehyde	A	50.00	52.29	1.097219	1.147576		4.6	20
Benzidine	A	50.00	47.83	0.8220668	0.7863319		-4.3	20
1,1-Biphenyl	A	50.00	52.26	1.433709	1.498605		4.5	20
Caprolactam	A	50.00	48.05	0.1124745	0.1080839		-3.9	20
3,3'-Dichlorobenzidine	A	50.00	50.69	0.4155803	0.4212919		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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05403	Injection Date:	02/22/12
Lab Sample ID:	2B05403-CCV1	Injection Time:	11:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	45.88	1.16059	1.06503		-8.2	20
Acenaphthylene	A	50.00	46.82	1.931371	1.80862		-6.4	20
Anthracene	A	50.00	44.87	1.103275	0.9901099		-10.3	20
Benzo(a)anthracene	A	50.00	47.73	1.152131	1.099862		-4.5	20
Benzo(a)pyrene	A	50.00	48.38	1.007905	0.9753074		-3.2	20
Benzo(b)fluoranthene	A	50.00	50.33	1.182679	1.190596		0.7	20
Benzo(g,h,i)perylene	A	50.00	39.32	0.7814949	0.6145698		-21.4	20 *
Benzoic acid	A	50.00	55.25	0.2405269	0.2657639		10.5	20
Benzo(k)fluoranthene	A	50.00	49.85	1.198664	1.195015		-0.3	20
4-Bromophenyl-phenylether	A	50.00	46.61	0.2146923	0.200137		-6.8	20
Butylbenzylphthalate	A	50.00	52.82	0.7877604	0.8322171		5.6	20
Carbazole	A	50.00	47.31	1.029032	0.9735908		-5.4	20
4-Chloro-3-methylphenol	A	50.00	49.67	0.2677559	0.265973		-0.7	20
4-Chloroaniline	A	50.00	51.60	0.4212397	0.4346873		3.2	20
Bis(2-chloroethoxy)methane	A	50.00	49.56	0.4425268	0.4386682		-0.9	20
Bis(2-chloroethyl)ether	A	50.00	49.89	1.489784	1.48659		-0.2	20
2,2'-Oxybis-1-chloropropane	A	50.00	45.71	2.046488	1.871092		-8.6	20
2-Chloronaphthalene	A	50.00	49.72	1.216702	1.209874		-0.6	20
2-Chlorophenol	A	50.00	52.05	1.451974	1.511598		4.1	20
4-Chlorophenyl phenyl ether	A	50.00	45.81	0.5900974	0.5406491		-8.4	20
Chrysene	A	50.00	47.10	1.048386	0.9875958		-5.8	20
Dibenz(a,h)anthracene	A	50.00	39.68	0.7877702	0.6250976		-20.6	20 *
Dibenzofuran	A	50.00	48.80	1.657947	1.618171		-2.4	20
Di-n-butylphthalate	A	50.00	47.57	1.431001	1.361569		-4.9	20
2,4-Dichlorophenol	A	50.00	49.23	0.2671797	0.263056		-1.5	20
Diethylphthalate	A	50.00	43.81	1.519219	1.331125		-12.4	20
2,4-Dimethylphenol	A	50.00	49.14	0.3315046	0.3257879		-1.7	20
Dimethyl phthalate	A	50.00	47.07	1.343635	1.264828		-5.9	20
4,6-Dinitro-2-methylphenol	L	50.00	54.50	0.1585178	0.1835403		9.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05403	Injection Date:	02/22/12
Lab Sample ID:	2B05403-CCV1	Injection Time:	11:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	51.02	0.206192	0.2497122	0.05	2.0	20
2,4-Dinitrotoluene	A	50.00	52.19	0.521052	0.5439117		4.4	20
2,6-Dinitrotoluene	A	50.00	49.18	0.3967176	0.3902515		-1.6	20
Di-n-octylphthalate	A	50.00	53.86	2.209015	2.379651		7.7	20
1,2-Diphenylhydrazine	A	50.00	51.59	0.9459381	0.976108		3.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	46.48	1.098864	1.021417		-7.0	20
Fluoranthene	A	50.00	44.00	1.03856	0.9140054		-12.0	20
Fluorene	A	50.00	44.05	1.297136	1.142848		-11.9	20
Hexachlorobenzene	A	50.00	46.99	0.2693626	0.2531363		-6.0	20
Hexachlorobutadiene	A	50.00	46.36	0.1602586	0.1486026		-7.3	20
Hexachlorocyclopentadiene	A	50.00	52.74	0.3304642	0.3485698	0.05	5.5	20
Hexachloroethane	A	50.00	41.63	0.5511715	0.4589007		-16.7	20
Indeno(1,2,3-cd)pyrene	A	50.00	40.64	0.7943706	0.6457124		-18.7	20
Isophorone	A	50.00	50.47	0.709806	0.7165016		0.9	20
1-Methylnaphthalene	A	50.00	47.91	0.4588489	0.4396848		-4.2	20
2-Methylnaphthalene	A	50.00	49.15	0.4643082	0.4564063		-1.7	20
2-Methylphenol	A	50.00	45.76	1.170228	1.071001		-8.5	20
3-Methylphenol/4-Methylphenol	A	50.00	38.76	1.229111	0.9528045		-22.5	20 *
Naphthalene	A	50.00	46.09	0.9644021	0.8890675		-7.8	20
4-Nitroaniline	A	50.00	53.46	0.3695132	0.3951057		6.9	20
3-Nitroaniline	A	50.00	50.52	0.4095054	0.4137915		1.0	20
2-Nitroaniline	A	50.00	50.38	0.3596564	0.3624174		0.8	20
Nitrobenzene	A	50.00	50.26	0.3567881	0.3586098		0.5	20
4-Nitrophenol	A	50.00	48.84	0.2316481	0.2262734	0.05	-2.3	20
2-Nitrophenol	A	50.00	52.50	0.2117473	0.222323		5.0	20
N-Nitrosodiphenylamine	A	50.00	46.49	0.6232956	0.579549		-7.0	20
N-Nitroso-di-n-propylamine	A	50.00	47.17	0.8744148	0.8249075	0.05	-5.7	20
Pentachlorophenol	A	50.00	52.74	0.176134	0.185779		5.5	20
Phenanthrene	A	50.00	47.57	1.0766	1.024341		-4.9	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05403	Injection Date:	02/22/12
Lab Sample ID:	2B05403-CCV1	Injection Time:	11:32

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.06	1.818861	1.7119		-5.9	20
Pyrene	A	50.00	56.31	1.388531	1.563716		12.6	20
2,4,6-Trichlorophenol	A	50.00	49.50	0.4236546	0.4194637		-1.0	20
2,4,5-Trichlorophenol	A	50.00	51.54	0.4209953	0.4339399		3.1	20
2-Fluorobiphenyl	A	50.00	49.26	1.254622	1.236011		-1.5	20
2-Fluorophenol	A	100.0	93.09	1.19198	1.109639		-6.9	20
Nitrobenzene-d5	A	50.00	51.36	0.3391874	0.3484355		2.7	20
Phenol-d6	A	100.0	94.72	1.579612	1.496164		-5.3	20
Terphenyl-d14	A	50.00	55.57	0.8105471	0.9007845		11.1	20
2,4,6-Tribromophenol	A	100.0	97.65	0.1363191	0.1331193		-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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05403	Injection Date:	02/22/12
Lab Sample ID:	2B05403-CCV2	Injection Time:	12:03

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	52.68	1.744673	1.838327		5.4	20
Atrazine	A	50.00	44.99	0.2115523	0.1903421		-10.0	20
Benzaldehyde	A	50.00	51.19	1.097219	1.123414		2.4	20
Benzidine	A	50.00	53.21	0.8220668	0.8747786		6.4	20
1,1-Biphenyl	A	50.00	51.31	1.433709	1.471393		2.6	20
Caprolactam	A	50.00	46.24	0.1124745	0.1040163		-7.5	20
3,3'-Dichlorobenzidine	A	50.00	51.45	0.4155803	0.4276585		2.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B05601	Injection Date:	02/24/12
Lab Sample ID:	2B05601-CCV1	Injection Time:	15:46

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.43	1.083205	1.114161		2.9	20
Acenaphthylene	A	50.00	51.27	1.629931	1.671423		2.5	20
Anthracene	A	50.00	51.37	1.050691	1.079495		2.7	20
Benzo(a)anthracene	A	50.00	50.00	1.095634	1.095643		0.0008	20
Benzo(a)pyrene	A	50.00	53.73	1.009584	1.084873		7.5	20
Benzo(b)fluoranthene	A	50.00	56.19	1.098945	1.235047		12.4	20
Benzo(g,h,i)perylene	A	50.00	57.26	0.6624725	0.7586178		14.5	20
Benzoic acid	Q	50.00	35.15	0.1554595	0.1132239		-29.7	20 *
Benzo(k)fluoranthene	A	50.00	57.73	1.196207	1.381051		15.5	20
4-Bromophenyl-phenylether	A	50.00	53.31	0.2128959	0.2269858		6.6	20
Butylbenzylphthalate	A	50.00	51.54	0.5814234	0.5994001		3.1	20
Carbazole	A	50.00	47.43	0.8490283	0.8053842		-5.1	20
4-Chloro-3-methylphenol	A	50.00	46.18	0.2842247	0.26252		-7.6	20
4-Chloroaniline	A	50.00	48.21	0.397385	0.3831755		-3.6	20
Bis(2-chloroethoxy)methane	A	50.00	46.22	0.4109238	0.3798321		-7.6	20
Bis(2-chloroethyl)ether	A	50.00	46.35	1.246774	1.155783		-7.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	50.35	1.385811	1.395455		0.7	20
2-Chloronaphthalene	A	50.00	50.06	1.067192	1.068484		0.1	20
2-Chlorophenol	A	50.00	49.90	1.213089	1.210574		-0.2	20
4-Chlorophenyl phenyl ether	A	50.00	49.06	0.6276701	0.6158228		-1.9	20
Chrysene	A	50.00	51.81	0.9871305	1.022914		3.6	20
Dibenz(a,h)anthracene	A	50.00	58.20	0.6567817	0.7645665		16.4	20
Dibenzofuran	A	50.00	50.26	1.458562	1.466173		0.5	20
Di-n-butylphthalate	A	50.00	51.10	1.130804	1.155639		2.2	20
2,4-Dichlorophenol	A	50.00	50.87	0.2811649	0.2860546		1.7	20
Diethylphthalate	A	50.00	47.48	1.22087	1.15933		-5.0	20
2,4-Dimethylphenol	A	50.00	46.42	0.3452717	0.3205602		-7.2	20
Dimethyl phthalate	A	50.00	48.03	1.221232	1.173033		-3.9	20
4,6-Dinitro-2-methylphenol	L	50.00	41.73	0.1277417	0.1170273		-16.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B05601	Injection Date:	02/24/12
Lab Sample ID:	2B05601-CCV1	Injection Time:	15:46

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	33.19	0.1429805	0.106933	0.05	-33.6	20 *
2,4-Dinitrotoluene	A	50.00	47.12	0.3751877	0.3535696		-5.8	20
2,6-Dinitrotoluene	A	50.00	49.25	0.2882009	0.2838964		-1.5	20
Di-n-octylphthalate	A	50.00	58.62	1.334396	1.564539		17.2	20
1,2-Diphenylhydrazine	A	50.00	48.51	0.796287	0.7725845		-3.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.70	0.7073331	0.7879475		11.4	20
Fluoranthene	A	50.00	47.32	1.108564	1.049115		-5.4	20
Fluorene	A	50.00	50.79	1.266856	1.286843		1.6	20
Hexachlorobenzene	A	50.00	56.72	0.2189682	0.2484064		13.4	20
Hexachlorobutadiene	A	50.00	43.42	0.2016252	0.1750895		-13.2	20
Hexachlorocyclopentadiene	A	50.00	57.45	0.2015279	0.2315601	0.05	14.9	20
Hexachloroethane	A	50.00	47.08	0.5506075	0.5185077		-5.8	20
Indeno(1,2,3-cd)pyrene	A	50.00	56.09	0.81915	0.9188995		12.2	20
Isophorone	A	50.00	43.02	0.6913313	0.5947777		-14.0	20
1-Methylnaphthalene	A	50.00	52.90	0.5312415	0.562088		5.8	20
2-Methylnaphthalene	A	50.00	52.63	0.5409797	0.5694148		5.3	20
2-Methylphenol	A	50.00	50.64	1.072064	1.085886		1.3	20
3-Methylphenol/4-Methylphenol	A	50.00	50.37	1.114689	1.122865		0.7	20
Naphthalene	A	50.00	50.10	0.9513071	0.9531994		0.2	20
4-Nitroaniline	A	50.00	30.31	0.2383594	0.1444801		-39.4	20 *
3-Nitroaniline	A	50.00	48.55	0.2874555	0.2791129		-2.9	20
2-Nitroaniline	A	50.00	39.50	0.3317505	0.2620791		-21.0	20 *
Nitrobenzene	A	50.00	40.02	0.4029603	0.3225444		-20.0	20
4-Nitrophenol	A	50.00	37.60	0.2166638	0.1629336	0.05	-24.8	20 *
2-Nitrophenol	A	50.00	50.00	0.181443	0.1814449		0.001	20
N-Nitrosodiphenylamine	A	50.00	55.03	0.6164427	0.6784079		10.1	20
N-Nitroso-di-n-propylamine	A	50.00	43.18	0.9416943	0.8132908	0.05	-13.6	20
Pentachlorophenol	L	50.00	43.70	0.1292247	0.1252667		-12.6	20
Phenanthrene	A	50.00	51.30	1.037726	1.064679		2.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/10/12 00:00
Sequence:	2B05601	Injection Date:	02/24/12
Lab Sample ID:	2B05601-CCV1	Injection Time:	15:46

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.26	1.644715	1.554525		-5.5	20
Pyrene	A	50.00	52.29	1.428881	1.494249		4.6	20
2,4,6-Trichlorophenol	A	50.00	49.50	0.3533465	0.3498232		-1.0	20
2,4,5-Trichlorophenol	A	50.00	50.73	0.3545972	0.3597505		1.5	20
2-Fluorobiphenyl	A	50.00	46.12	1.2833	1.183838		-7.8	20
2-Fluorophenol	A	100.0	89.92	1.176842	1.058184		-10.1	20
Nitrobenzene-d5	A	50.00	36.90	0.4045775	0.2985558		-26.2	20 *
Phenol-d6	A	100.0	88.00	1.530246	1.346635		-12.0	20
Terphenyl-d14	A	50.00	49.26	0.8755169	0.8624899		-1.5	20
2,4,6-Tribromophenol	A	100.0	120.5	9.768516E-02	0.1177176		20.5	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2018001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	01/10/12 00:00
Sequence:	2B05601	Injection Date:	02/24/12
Lab Sample ID:	2B05601-CCV2	Injection Time:	16:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	46.93	1.695509	1.591541		-6.1	20
Atrazine	A	50.00	54.89	0.2160612	0.2371974		9.8	20
Benzaldehyde	A	50.00	55.14	0.9209532	1.015706		10.3	20
Benzidine	A	50.00	74.98	0.4956721	0.7432983		50.0	20 *
1,1-Biphenyl	A	50.00	55.49	1.411627	1.566601		11.0	20
Caprolactam	A	50.00	53.49	0.1002373	0.1072366		7.0	20
3,3'-Dichlorobenzidine	A	50.00	74.13	0.276533	0.409976		48.3	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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06122	Injection Date:	02/29/12
Lab Sample ID:	2C06122-CCV1	Injection Time:	15:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	49.48	1.16059	1.148507		-1.0	20	
Acenaphthylene	A	50.00	49.84	1.931371	1.925342		-0.3	20	
Anthracene	A	50.00	48.59	1.103275	1.072136		-2.8	20	
Benzo(a)anthracene	A	50.00	48.64	1.152131	1.120841		-2.7	20	
Benzo(a)pyrene	A	50.00	50.21	1.007905	1.012107		0.4	20	
Benzo(b)fluoranthene	A	50.00	52.00	1.182679	1.230012		4.0	20	
Benzo(g,h,i)perylene	A	50.00	43.84	0.7814949	0.6851898		-12.3	20	
Benzoic acid	A	50.00	48.70	0.2405269	0.2342626		-2.6	20	
Benzo(k)fluoranthene	A	50.00	51.62	1.198664	1.237553		3.2	20	
4-Bromophenyl-phenylether	A	50.00	48.47	0.2146923	0.2081212		-3.1	20	
Butylbenzylphthalate	A	50.00	47.47	0.7877604	0.7479729		-5.1	20	
Carbazole	A	50.00	50.16	1.029032	1.032302		0.3	20	
4-Chloro-3-methylphenol	A	50.00	48.31	0.2677559	0.2586892		-3.4	20	
4-Chloroaniline	A	50.00	48.40	0.4212397	0.4077189		-3.2	20	
Bis(2-chloroethoxy)methane	A	50.00	46.33	0.4425268	0.4100486		-7.3	20	
Bis(2-chloroethyl)ether	A	50.00	46.78	1.489784	1.393732		-6.4	20	
2,2'-Oxybis-1-chloropropane	A	50.00	38.63	2.046488	1.581186		-22.7	20	*
2-Chloronaphthalene	A	50.00	49.10	1.216702	1.194765		-1.8	20	
2-Chlorophenol	A	50.00	48.32	1.451974	1.403143		-3.4	20	
4-Chlorophenyl phenyl ether	A	50.00	54.20	0.5900974	0.6396207		8.4	20	
Chrysene	A	50.00	48.76	1.048386	1.02238		-2.5	20	
Dibenz(a,h)anthracene	A	50.00	46.91	0.7877702	0.7391259		-6.2	20	
Dibenzofuran	A	50.00	52.37	1.657947	1.736512		4.7	20	
Di-n-butylphthalate	A	50.00	49.74	1.431001	1.423538		-0.5	20	
2,4-Dichlorophenol	A	50.00	50.93	0.2671797	0.2721745		1.9	20	
Diethylphthalate	A	50.00	52.30	1.519219	1.589277		4.6	20	
2,4-Dimethylphenol	A	50.00	46.45	0.3315046	0.3079461		-7.1	20	
Dimethyl phthalate	A	50.00	47.52	1.343635	1.276876		-5.0	20	
4,6-Dinitro-2-methylphenol	L	50.00	48.82	0.1585178	0.1635496		-2.4	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06122	Injection Date:	02/29/12
Lab Sample ID:	2C06122-CCV1	Injection Time:	15:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	43.16	0.206192	0.2066931	0.05	-13.7	20
2,4-Dinitrotoluene	A	50.00	45.26	0.521052	0.4716493		-9.5	20
2,6-Dinitrotoluene	A	50.00	44.66	0.3967176	0.354341		-10.7	20
Di-n-octylphthalate	A	50.00	52.89	2.209015	2.336855		5.8	20
1,2-Diphenylhydrazine	A	50.00	47.15	0.9459381	0.892064		-5.7	20
Bis(2-ethylhexyl)phthalate	A	50.00	49.10	1.098864	1.079144		-1.8	20
Fluoranthene	A	50.00	49.03	1.03856	1.018512		-1.9	20
Fluorene	A	50.00	44.04	1.297136	1.142416		-11.9	20
Hexachlorobenzene	A	50.00	52.14	0.2693626	0.2809115		4.3	20
Hexachlorobutadiene	A	50.00	51.26	0.1602586	0.1643074		2.5	20
Hexachlorocyclopentadiene	A	50.00	53.56	0.3304642	0.3539953	0.05	7.1	20
Hexachloroethane	A	50.00	45.60	0.5511715	0.5027183		-8.8	20
Indeno(1,2,3-cd)pyrene	A	50.00	43.13	0.7943706	0.6851898		-13.7	20
Isophorone	A	50.00	43.33	0.709806	0.6150693		-13.3	20
1-Methylnaphthalene	A	50.00	53.12	0.4588489	0.4874866		6.2	20
2-Methylnaphthalene	A	50.00	52.08	0.4643082	0.4836659		4.2	20
2-Methylphenol	A	50.00	48.84	1.170228	1.143129		-2.3	20
3-Methylphenol/4-Methylphenol	A	50.00	44.75	1.229111	1.10005		-10.5	20
Naphthalene	A	50.00	51.96	0.9644021	1.00219		3.9	20
4-Nitroaniline	A	50.00	44.80	0.3695132	0.3311086		-10.4	20
3-Nitroaniline	A	50.00	49.94	0.4095054	0.4090039		-0.1	20
2-Nitroaniline	A	50.00	40.68	0.3596564	0.2926198		-18.6	20
Nitrobenzene	A	50.00	44.36	0.3567881	0.3165379		-11.3	20
4-Nitrophenol	A	50.00	43.33	0.2316481	0.2007671	0.05	-13.3	20
2-Nitrophenol	A	50.00	47.76	0.2117473	0.2022771		-4.5	20
N-Nitrosodiphenylamine	A	50.00	49.17	0.6232956	0.6129495		-1.7	20
N-Nitroso-di-n-propylamine	A	50.00	41.67	0.8744148	0.7288202	0.05	-16.7	20
Pentachlorophenol	A	50.00	54.81	0.176134	0.1930937		9.6	20
Phenanthrene	A	50.00	53.96	1.0766	1.161913		7.9	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06122	Injection Date:	02/29/12
Lab Sample ID:	2C06122-CCV1	Injection Time:	15:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	46.14	1.818861	1.678384		-7.7	20
Pyrene	A	50.00	49.26	1.388531	1.368107		-1.5	20
2,4,6-Trichlorophenol	A	50.00	50.12	0.4236546	0.4246992		0.2	20
2,4,5-Trichlorophenol	A	50.00	50.46	0.4209953	0.4248764		0.9	20
2-Fluorobiphenyl	A	50.00	51.56	1.254622	1.293801		3.1	20
2-Fluorophenol	A	100.0	101.0	1.19198	1.20376		1.0	20
Nitrobenzene-d5	A	50.00	43.84	0.3391874	0.2974203		-12.3	20
Phenol-d6	A	100.0	101.1	1.579612	1.596443		1.1	20
Terphenyl-d14	A	50.00	52.04	0.8105471	0.8436153		4.1	20
2,4,6-Tribromophenol	A	100.0	110.5	0.1363191	0.150596		10.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06122	Injection Date:	02/29/12
Lab Sample ID:	2C06122-CCV2	Injection Time:	15:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.09	1.744673	1.712863		-1.8	20
Atrazine	A	50.00	46.67	0.2115523	0.1974705		-6.7	20
Benzaldehyde	A	50.00	49.52	1.097219	1.086596		-1.0	20
Benzidine	A	50.00	45.15	0.8220668	0.7423721		-9.7	20
1,1-Biphenyl	A	50.00	51.04	1.433709	1.463418		2.1	20
Caprolactam	A	50.00	53.11	0.1124745	0.1194805		6.2	20
3,3'-Dichlorobenzidine	A	50.00	55.16	0.4155803	0.4584754		10.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06301	Injection Date:	03/02/12
Lab Sample ID:	2C06301-CCV1	Injection Time:	15:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	52.41	1.16059	1.216474		4.8	20
Acenaphthylene	A	50.00	52.19	1.931371	2.016036		4.4	20
Anthracene	A	50.00	55.66	1.103275	1.22815		11.3	20
Benzo(a)anthracene	A	50.00	49.96	1.152131	1.151241		-0.08	20
Benzo(a)pyrene	A	50.00	51.63	1.007905	1.040698		3.3	20
Benzo(b)fluoranthene	A	50.00	50.50	1.182679	1.194561		1.0	20
Benzo(g,h,i)perylene	A	50.00	46.98	0.7814949	0.734303		-6.0	20
Benzoic acid	A	50.00	46.68	0.2405269	0.2245411		-6.6	20
Benzo(k)fluoranthene	A	50.00	56.50	1.198664	1.35445		13.0	20
4-Bromophenyl-phenylether	A	50.00	50.87	0.2146923	0.2184247		1.7	20
Butylbenzylphthalate	A	50.00	49.46	0.7877604	0.7791944		-1.1	20
Carbazole	A	50.00	53.65	1.029032	1.104238		7.3	20
4-Chloro-3-methylphenol	A	50.00	49.58	0.2677559	0.2655335		-0.8	20
4-Chloroaniline	A	50.00	48.44	0.4212397	0.408096		-3.1	20
Bis(2-chloroethoxy)methane	A	50.00	47.45	0.4425268	0.4199294		-5.1	20
Bis(2-chloroethyl)ether	A	50.00	47.11	1.489784	1.403633		-5.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	41.81	2.046488	1.711199		-16.4	20
2-Chloronaphthalene	A	50.00	52.08	1.216702	1.267257		4.2	20
2-Chlorophenol	A	50.00	49.27	1.451974	1.430885		-1.5	20
4-Chlorophenyl phenyl ether	A	50.00	57.48	0.5900974	0.6784235		15.0	20
Chrysene	A	50.00	51.82	1.048386	1.086498		3.6	20
Dibenz(a,h)anthracene	A	50.00	49.50	0.7877702	0.7799584		-1.0	20
Dibenzofuran	A	50.00	52.37	1.657947	1.736524		4.7	20
Di-n-butylphthalate	A	50.00	53.91	1.431001	1.54283		7.8	20
2,4-Dichlorophenol	A	50.00	52.48	0.2671797	0.2804383		5.0	20
Diethylphthalate	A	50.00	43.62	1.519219	1.325277		-12.8	20
2,4-Dimethylphenol	A	50.00	48.28	0.3315046	0.3201404		-3.4	20
Dimethyl phthalate	A	50.00	52.28	1.343635	1.404791		4.6	20
4,6-Dinitro-2-methylphenol	L	50.00	49.30	0.1585178	0.1652544		-1.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06301	Injection Date:	03/02/12
Lab Sample ID:	2C06301-CCV1	Injection Time:	15:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	44.64	0.206192	0.2147919	0.05	-10.7	20
2,4-Dinitrotoluene	A	50.00	46.88	0.521052	0.4885914		-6.2	20
2,6-Dinitrotoluene	A	50.00	47.54	0.3967176	0.3772323		-4.9	20
Di-n-octylphthalate	A	50.00	53.34	2.209015	2.356603		6.7	20
1,2-Diphenylhydrazine	A	50.00	45.30	0.9459381	0.8569742		-9.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	49.38	1.098864	1.085226		-1.2	20
Fluoranthene	A	50.00	50.40	1.03856	1.046955		0.8	20
Fluorene	A	50.00	49.78	1.297136	1.291449		-0.4	20
Hexachlorobenzene	A	50.00	53.63	0.2693626	0.2889376		7.3	20
Hexachlorobutadiene	A	50.00	53.77	0.1602586	0.1723318		7.5	20
Hexachlorocyclopentadiene	A	50.00	54.26	0.3304642	0.3586105	0.05	8.5	20
Hexachloroethane	A	50.00	50.20	0.5511715	0.5534214		0.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	47.74	0.7943706	0.7584431		-4.5	20
Isophorone	A	50.00	44.32	0.709806	0.6291208		-11.4	20
1-Methylnaphthalene	A	50.00	56.66	0.4588489	0.5199492		13.3	20
2-Methylnaphthalene	A	50.00	56.63	0.4643082	0.5258768		13.3	20
2-Methylphenol	A	50.00	51.90	1.170228	1.214779		3.8	20
3-Methylphenol/4-Methylphenol	A	50.00	50.41	1.229111	1.239101		0.8	20
Naphthalene	A	50.00	54.74	0.9644021	1.055852		9.5	20
4-Nitroaniline	A	50.00	42.86	0.3695132	0.3167677		-14.3	20
3-Nitroaniline	A	50.00	50.92	0.4095054	0.4170424		1.8	20
2-Nitroaniline	A	50.00	40.95	0.3596564	0.2945359		-18.1	20
Nitrobenzene	A	50.00	46.25	0.3567881	0.3300242		-7.5	20
4-Nitrophenol	A	50.00	39.38	0.2316481	0.1824467	0.05	-21.2	20 *
2-Nitrophenol	A	50.00	49.34	0.2117473	0.2089697		-1.3	20
N-Nitrosodiphenylamine	A	50.00	55.76	0.6232956	0.6951232		11.5	20
N-Nitroso-di-n-propylamine	A	50.00	44.43	0.8744148	0.7770437	0.05	-11.1	20
Pentachlorophenol	A	50.00	56.28	0.176134	0.1982674		12.6	20
Phenanthrene	A	50.00	53.24	1.0766	1.146441		6.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06301	Injection Date:	03/02/12
Lab Sample ID:	2C06301-CCV1	Injection Time:	15:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	51.16	1.818861	1.861145		2.3	20
Pyrene	A	50.00	54.60	1.388531	1.516412		9.2	20
2,4,6-Trichlorophenol	A	50.00	50.44	0.4236546	0.427407		0.9	20
2,4,5-Trichlorophenol	A	50.00	51.51	0.4209953	0.4336797		3.0	20
2-Fluorobiphenyl	A	50.00	52.21	1.254622	1.310072		4.4	20
2-Fluorophenol	A	100.0	103.8	1.19198	1.236876		3.8	20
Nitrobenzene-d5	A	50.00	44.62	0.3391874	0.302697		-10.8	20
Phenol-d6	A	100.0	103.9	1.579612	1.640708		3.9	20
Terphenyl-d14	A	50.00	55.79	0.8105471	0.9043769		11.6	20
2,4,6-Tribromophenol	A	100.0	113.4	0.1363191	0.1545895		13.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2049001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06301	Injection Date:	03/02/12
Lab Sample ID:	2C06301-CCV2	Injection Time:	15:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.53	1.744673	1.728414		-0.9	20
Atrazine	A	50.00	48.80	0.2115523	0.2064962		-2.4	20
Benzaldehyde	A	50.00	49.27	1.097219	1.081185		-1.5	20
Benzidine	A	50.00	43.64	0.8220668	0.7174884		-12.7	20
1,1-Biphenyl	A	50.00	53.32	1.433709	1.528853		6.6	20
Caprolactam	A	50.00	45.90	0.1124745	0.1032415		-8.2	20
3,3'-Dichlorobenzidine	A	50.00	50.92	0.4155803	0.4232141		1.8	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_044

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

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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_044

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_044

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	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B15010-BLK1 File ID: B15010B1.D

Sampled: Prepared: Analyzed: 02/21/12 16:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B15010 Sequence: 2B05311 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	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	Y, 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	2.27	1.25	2.50	5.00	J
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	X, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B15010-BLK1 File ID: B15010B1.D

Sampled: Prepared: Analyzed: 02/21/12 16:28

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B15010 Sequence: 2B05311 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	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	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	41.66	83.3	50 - 110	
2-Fluorophenol	100.0	41.32	41.3	20 - 110	
Nitrobenzene-d5	50.00	44.43	88.9	40 - 110	
Phenol-d6	100.0	24.09	24.1	0 - 110	
Terphenyl-d14	50.00	52.00	104	50 - 135	
2,4,6-Tribromophenol	100.0	92.69	92.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B15010-BS1 | File ID: B15010L1.D

Sampled: | Prepared: | Analyzed: 02/21/12 16:59

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B15010 | Sequence: 2B05311 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.71	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.70	1.25	2.50	5.00	
98-86-2	Acetophenone	44.83	1.25	2.50	5.00	
120-12-7	Anthracene	45.52	1.25	2.50	5.00	
1912-24-9	Atrazine	43.65	1.25	2.50	5.00	
100-52-7	Benzaldehyde	40.65	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	47.53	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	42.17	1.25	2.50	5.00	S
205-99-2	Benzo(b)fluoranthene	46.40	1.25	2.50	5.00	S
191-24-2	Benzo(g,h,i)perylene	41.19	1.25	2.50	5.00	S, Y
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	39.72	1.25	2.50	5.00	S
92-52-4	1,1-Biphenyl	39.71	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	48.14	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	52.30	1.25	2.50	5.00	
105-60-2	Caprolactam	7.271	1.25	2.50	5.00	
86-74-8	Carbazole	44.48	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	78.70	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.27	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	48.74	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	44.03	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	37.77	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	37.82	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	72.15	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.81	1.25	2.50	5.00	
218-01-9	Chrysene	48.93	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	43.34	1.25	2.50	5.00	S
132-64-9	Dibenzofuran	43.68	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	46.49	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	34.41	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	80.31	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.68	1.25	2.50	5.00	B
105-67-9	2,4-Dimethylphenol	77.16	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.85	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	92.77	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	56.83	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	45.73	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	45.73	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	45.11	1.25	2.50	5.00	S, X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B15010-BS1 | File ID: B15010L1.D

Sampled: | Prepared: | Analyzed: 02/21/12 16:59

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B15010 | Sequence: 2B05311 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	48.51	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	49.64	1.25	2.50	5.00	
206-44-0	Fluoranthene	44.27	1.25	2.50	5.00	
86-73-7	Fluorene	41.30	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.48	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	37.16	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	46.46	1.25	2.50	5.00	
67-72-1	Hexachloroethane	28.68	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	44.72	1.25	2.50	5.00	S
78-59-1	Isophorone	38.25	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.95	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	41.47	1.25	2.50	5.00	
95-48-7	2-Methylphenol	61.67	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	53.79	1.25	2.50	5.00	
91-20-3	Naphthalene	41.45	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	45.18	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	32.24	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	49.39	5.00	10.0	20.0	
98-95-3	Nitrobenzene	41.65	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	31.58	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	81.26	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	36.65	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	48.32	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	88.26	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.16	1.25	2.50	5.00	
108-95-2	Phenol	30.87	1.25	2.50	5.00	
129-00-0	Pyrene	45.93	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	86.44	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	88.59	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	49.41	98.8	50 - 110	
2-Fluorophenol	100.0	50.73	50.7	20 - 110	
Nitrobenzene-d5	50.00	46.43	92.9	40 - 110	
Phenol-d6	100.0	29.03	29.0	0 - 110	
Terphenyl-d14	50.00	53.02	106	50 - 135	
2,4,6-Tribromophenol	100.0	91.75	91.7	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B17021-BLK1 File ID: B17021B1.D

Sampled: Prepared: Analyzed: 02/18/12 14:27

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B17021 Sequence: 2B05211 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	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_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B17021-BLK1	File ID:	B17021B1.D
Sampled:		Prepared:		Analyzed:	02/18/12 14:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B17021 Sequence: 2B05211 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	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	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.46	84.9	50 - 110	
2-Fluorophenol	100.0	39.57	39.6	20 - 110	
Nitrobenzene-d5	50.00	45.74	91.5	40 - 110	
Phenol-d6	100.0	20.92	20.9	0 - 110	
Terphenyl-d14	50.00	58.56	117	50 - 135	
2,4,6-Tribromophenol	100.0	86.57	86.6	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B17021-BS1 | File ID: B17021L1.D

Sampled: | Prepared: | Analyzed: 02/18/12 14:58

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B17021 | Sequence: 2B05211 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	37.79	1.25	2.50	5.00	
208-96-8	Acenaphthylene	40.10	1.25	2.50	5.00	
98-86-2	Acetophenone	38.30	1.25	2.50	5.00	
120-12-7	Anthracene	40.57	1.25	2.50	5.00	
1912-24-9	Atrazine	40.98	1.25	2.50	5.00	
100-52-7	Benzaldehyde	33.08	1.25	2.50	5.00	
92-87-5	Benzidine	19.27	12.5	25.0	50.0	J
56-55-3	Benzo(a)anthracene	44.29	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	41.65	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	42.53	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.02	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	38.80	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	34.61	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	42.51	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.80	1.25	2.50	5.00	
105-60-2	Caprolactam	1.476	1.25	2.50	5.00	J
86-74-8	Carbazole	41.32	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	69.45	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.74	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	43.33	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	41.26	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	37.86	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	26.50	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	61.69	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	39.56	1.25	2.50	5.00	
218-01-9	Chrysene	47.71	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.42	1.25	2.50	5.00	
132-64-9	Dibenzofuran	39.84	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	42.55	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	37.57	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	70.81	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.89	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	68.62	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	47.85	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	86.43	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	77.57	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	44.24	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	42.51	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	39.83	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B17021-BS1
File ID: B17021L1.D
Sampled:
Prepared:
Analyzed: 02/18/12 14:58
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2B17021
Sequence: 2B05211
Calibration: 2049001
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.41	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	43.75	1.25	2.50	5.00	
206-44-0	Fluoranthene	37.12	1.25	2.50	5.00	Y
86-73-7	Fluorene	39.80	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	40.44	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	14.03	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	16.75	1.25	2.50	5.00	
67-72-1	Hexachloroethane	14.46	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.42	1.25	2.50	5.00	
78-59-1	Isophorone	36.08	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	28.12	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	26.54	1.25	2.50	5.00	
95-48-7	2-Methylphenol	50.19	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	45.66	1.25	2.50	5.00	
91-20-3	Naphthalene	29.55	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	44.87	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	33.87	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.51	5.00	10.0	20.0	
98-95-3	Nitrobenzene	37.08	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	21.92	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	75.02	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.23	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.00	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	81.41	5.00	10.0	20.0	
85-01-8	Phenanthrene	42.07	1.25	2.50	5.00	
108-95-2	Phenol	19.19	1.25	2.50	5.00	
129-00-0	Pyrene	52.77	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	77.27	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	78.40	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	47.49	95.0	50 - 110	
2-Fluorophenol	100.0	33.95	33.9	20 - 110	
Nitrobenzene-d5	50.00	40.59	81.2	40 - 110	
Phenol-d6	100.0	17.49	17.5	0 - 110	
Terphenyl-d14	50.00	58.98	118	50 - 135	
2,4,6-Tribromophenol	100.0	89.01	89.0	40 - 125	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B20003-BLK1 File ID: B20003B1.D

Sampled: Prepared: Analyzed: 02/22/12 17:06

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B20003 Sequence: 2B05403 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	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	Y, U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	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	Y, 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_044

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

Matrix: Laboratory ID: 2B20003-BLK1 File ID: B20003B1.D

Sampled: Prepared: Analyzed: 02/22/12 17:06

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B20003 Sequence: 2B05403 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	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	Y, 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	42.61	85.2	50 - 110	
2-Fluorophenol	100.0	45.56	45.6	20 - 110	
Nitrobenzene-d5	50.00	48.21	96.4	40 - 110	
Phenol-d6	100.0	26.45	26.4	0 - 110	
Terphenyl-d14	50.00	63.57	127	50 - 135	
2,4,6-Tribromophenol	100.0	97.85	97.8	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B20003-BS1 | File ID: B20003L1.D

Sampled: | Prepared: | Analyzed: 02/22/12 17:37

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B20003 | Sequence: 2B05403 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	42.93	1.25	2.50	5.00	
208-96-8	Acenaphthylene	45.24	1.25	2.50	5.00	
98-86-2	Acetophenone	38.44	1.25	2.50	5.00	
120-12-7	Anthracene	46.02	1.25	2.50	5.00	
1912-24-9	Atrazine	42.67	1.25	2.50	5.00	
100-52-7	Benzaldehyde	29.63	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	48.65	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.08	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	51.36	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	40.78	1.25	2.50	5.00	Y
65-85-0	Benzoic acid	19.48	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	48.62	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	35.60	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	47.22	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	61.50	1.25	2.50	5.00	
105-60-2	Caprolactam	6.737	1.25	2.50	5.00	
86-74-8	Carbazole	45.77	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	79.12	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.89	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	42.31	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	39.48	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	36.67	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	36.81	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	63.93	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.36	1.25	2.50	5.00	
218-01-9	Chrysene	50.13	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.49	1.25	2.50	5.00	Y
132-64-9	Dibenzofuran	44.43	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	47.88	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	39.11	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	73.34	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.13	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	75.43	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.40	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	88.02	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	87.15	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	48.17	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.75	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	67.09	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B20003-BS1 | File ID: B20003L1.D

Sampled: | Prepared: | Analyzed: 02/22/12 17:37

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B20003 | Sequence: 2B05403 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	49.49	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	58.63	1.25	2.50	5.00	
206-44-0	Fluoranthene	42.06	1.25	2.50	5.00	
86-73-7	Fluorene	41.75	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.37	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	35.77	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	34.67	1.25	2.50	5.00	
67-72-1	Hexachloroethane	30.44	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	42.19	1.25	2.50	5.00	
78-59-1	Isophorone	38.45	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	42.29	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	41.97	1.25	2.50	5.00	
95-48-7	2-Methylphenol	58.87	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	53.39	1.25	2.50	5.00	Y
91-20-3	Naphthalene	39.89	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.51	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	33.56	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.79	5.00	10.0	20.0	
98-95-3	Nitrobenzene	37.66	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	33.70	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	72.96	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.83	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	45.47	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	91.75	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.48	1.25	2.50	5.00	
108-95-2	Phenol	25.76	1.25	2.50	5.00	
129-00-0	Pyrene	54.66	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	80.78	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	82.39	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.96	91.9	50 - 110	
2-Fluorophenol	100.0	43.17	43.2	20 - 110	
Nitrobenzene-d5	50.00	42.27	84.5	40 - 110	
Phenol-d6	100.0	25.02	25.0	0 - 110	
Terphenyl-d14	50.00	64.44	129	50 - 135	
2,4,6-Tribromophenol	100.0	89.55	89.6	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21009-BLK1 File ID: B21009B1.D

Sampled: Prepared: Analyzed: 02/24/12 16:46

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21009-BLK1 File ID: B21009B1.D

Sampled: Prepared: Analyzed: 02/24/12 16:46

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.46	84.9	50 - 110	
2-Fluorophenol	100.0	33.03	33.0	20 - 110	
Nitrobenzene-d5	50.00	31.61	63.2	40 - 110	Y
Phenol-d6	100.0	18.92	18.9	0 - 110	
Terphenyl-d14	50.00	48.78	97.6	50 - 135	
2,4,6-Tribromophenol	100.0	86.44	86.4	40 - 125	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B21009-BS1 | File ID: B21009L1.D

Sampled: | Prepared: | Analyzed: 02/24/12 17:16

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B21009 | Sequence: 2B05601 | Calibration: 2018001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	56.80	1.25	2.50	5.00	
208-96-8	Acenaphthylene	58.32	1.25	2.50	5.00	
98-86-2	Acetophenone	43.73	1.25	2.50	5.00	
120-12-7	Anthracene	59.39	1.25	2.50	5.00	
1912-24-9	Atrazine	53.17	1.25	2.50	5.00	
100-52-7	Benzaldehyde	47.88	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	57.07	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	63.71	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	66.79	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	59.53	1.25	2.50	5.00	
65-85-0	Benzoic acid	16.85	12.5	25.0	50.0	Y, J
207-08-9	Benzo(k)fluoranthene	69.21	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	50.71	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	64.94	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	63.10	1.25	2.50	5.00	
105-60-2	Caprolactam	8.329	1.25	2.50	5.00	
86-74-8	Carbazole	61.73	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	97.97	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	47.89	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	54.78	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	50.80	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	52.96	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	54.58	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	93.96	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	56.71	1.25	2.50	5.00	
218-01-9	Chrysene	61.24	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	62.85	1.25	2.50	5.00	
132-64-9	Dibenzofuran	57.37	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	60.63	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	62.53	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	110.2	1.25	2.50	5.00	E
84-66-2	Diethylphthalate	57.61	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	94.85	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	57.56	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	107.2	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	88.16	1.00	25.0	50.0	Y
121-14-2	2,4-Dinitrotoluene	55.04	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	54.92	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	78.80	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B21009-BS1 | File ID: B21009L1.D

Sampled: | Prepared: | Analyzed: 02/24/12 17:16

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B21009 | Sequence: 2B05601 | Calibration: 2018001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	53.84	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	67.21	1.25	2.50	5.00	
206-44-0	Fluoranthene	57.02	1.25	2.50	5.00	
86-73-7	Fluorene	57.06	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	64.93	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	37.86	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	50.80	1.25	2.50	5.00	
67-72-1	Hexachloroethane	34.50	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	60.82	1.25	2.50	5.00	
78-59-1	Isophorone	47.44	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	55.93	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	54.73	1.25	2.50	5.00	
95-48-7	2-Methylphenol	79.65	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	71.66	1.25	2.50	5.00	
91-20-3	Naphthalene	50.12	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	56.82	5.00	10.0	20.0	Y
99-09-2	3-Nitroaniline	43.01	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.40	5.00	10.0	20.0	Y
98-95-3	Nitrobenzene	42.74	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	30.54	5.00	10.0	20.0	Y
88-75-5	2-Nitrophenol	109.1	1.25	2.50	5.00	E
86-30-6	N-Nitrosodiphenylamine	54.65	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	49.31	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	108.2	5.00	10.0	20.0	E
85-01-8	Phenanthrene	59.92	1.25	2.50	5.00	
108-95-2	Phenol	30.24	1.25	2.50	5.00	
129-00-0	Pyrene	55.97	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	114.9	1.25	2.50	5.00	E
95-95-4	2,4,5-Trichlorophenol	122.1	1.25	2.50	5.00	E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	54.84	110	50 - 110	
2-Fluorophenol	100.0	49.37	49.4	20 - 110	
Nitrobenzene-d5	50.00	42.91	85.8	40 - 110	Y
Phenol-d6	100.0	27.36	27.4	0 - 110	
Terphenyl-d14	50.00	61.37	123	50 - 135	
2,4,6-Tribromophenol	100.0	137.5	137	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21009-MS1 File ID: 0212709M.D

Sampled: Prepared: Analyzed: 02/24/12 19:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	47.04	1.20	2.40	4.81	Q
208-96-8	Acenaphthylene	49.35	1.20	2.40	4.81	Q
98-86-2	Acetophenone	34.95	1.20	2.40	4.81	
120-12-7	Anthracene	50.52	1.20	2.40	4.81	Q
1912-24-9	Atrazine	42.27	1.20	2.40	4.81	
100-52-7	Benzaldehyde	38.76	1.20	2.40	4.81	
92-87-5	Benzidine		12.0	24.0	48.1	X, U
56-55-3	Benzo(a)anthracene	48.52	1.20	2.40	4.81	Q
50-32-8	Benzo(a)pyrene	53.16	1.20	2.40	4.81	Q
205-99-2	Benzo(b)fluoranthene	55.68	1.20	2.40	4.81	Q
191-24-2	Benzo(g,h,i)perylene	51.63	1.20	2.40	4.81	
65-85-0	Benzoic acid	31.34	12.0	24.0	48.1	Y, J
207-08-9	Benzo(k)fluoranthene	59.28	1.20	2.40	4.81	Q
92-52-4	1,1-Biphenyl	43.31	1.20	2.40	4.81	
101-55-3	4-Bromophenyl-phenylether	48.50	1.20	2.40	4.81	Q
85-68-7	Butylbenzylphthalate	55.10	1.20	2.40	4.81	Q
105-60-2	Caprolactam	7.517	1.20	2.40	4.81	Q
86-74-8	Carbazole	58.94	1.20	2.40	4.81	Q
59-50-7	4-Chloro-3-methylphenol	80.40	1.20	2.40	4.81	
106-47-8	4-Chloroaniline	39.55	1.20	2.40	4.81	
111-91-1	Bis(2-chloroethoxy)methane	44.37	1.20	2.40	4.81	Q
111-44-4	Bis(2-chloroethyl)ether	41.02	1.20	2.40	4.81	
108-60-1	2,2'-Oxybis-1-chloropropane	43.48	1.20	2.40	4.81	
91-58-7	2-Chloronaphthalene	45.65	1.20	2.40	4.81	Q
95-57-8	2-Chlorophenol	75.73	1.20	2.40	4.81	
7005-72-3	4-Chlorophenyl phenyl ether	47.32	1.20	2.40	4.81	Q
218-01-9	Chrysene	50.94	1.20	2.40	4.81	Q
53-70-3	Dibenz(a,h)anthracene	53.94	1.20	2.40	4.81	Q
132-64-9	Dibenzofuran	48.80	1.20	2.40	4.81	Q
84-74-2	Di-n-butylphthalate	54.50	1.20	2.40	4.81	Q
91-94-1	3,3'-Dichlorobenzidine	49.86	1.20	2.40	4.81	Q, X
120-83-2	2,4-Dichlorophenol	89.78	1.20	2.40	4.81	Q
84-66-2	Diethylphthalate	49.06	1.20	2.40	4.81	
105-67-9	2,4-Dimethylphenol	78.45	4.81	9.62	19.2	
131-11-3	Dimethyl phthalate	48.59	1.20	2.40	4.81	
534-52-1	4,6-Dinitro-2-methylphenol	86.84	4.81	9.62	19.2	
51-28-5	2,4-Dinitrophenol	77.25	0.962	24.0	48.1	Y
121-14-2	2,4-Dinitrotoluene	49.64	1.20	2.40	4.81	
606-20-2	2,6-Dinitrotoluene	46.25	1.20	2.40	4.81	
117-84-0	Di-n-octylphthalate	71.94	1.20	2.40	4.81	Q

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B21009-MS1	File ID:	0212709M.D
Sampled:		Prepared:		Analyzed:	02/24/12 19:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	38.73	1.20	2.40	4.81	
117-81-7	Bis(2-ethylhexyl)phthalate	57.71	1.20	2.40	4.81	Q
206-44-0	Fluoranthene	54.21	1.20	2.40	4.81	
86-73-7	Fluorene	49.43	1.20	2.40	4.81	Q
118-74-1	Hexachlorobenzene	49.56	1.20	2.40	4.81	Q
87-68-3	Hexachlorobutadiene	28.70	1.20	2.40	4.81	
77-47-4	Hexachlorocyclopentadiene	39.46	1.20	2.40	4.81	
67-72-1	Hexachloroethane	25.66	1.20	2.40	4.81	
193-39-5	Indeno(1,2,3-cd)pyrene	52.05	1.20	2.40	4.81	
78-59-1	Isophorone	38.68	1.20	2.40	4.81	
90-12-0	1-Methylnaphthalene	45.40	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	43.93	1.20	2.40	4.81	Q
95-48-7	2-Methylphenol	63.75	1.20	2.40	4.81	
108-39-4/106	3-Methylphenol/4-Methylphenol	57.12	1.20	2.40	4.81	
91-20-3	Naphthalene	40.87	1.20	2.40	4.81	
100-01-6	4-Nitroaniline	58.97	4.81	9.62	19.2	Y
99-09-2	3-Nitroaniline	41.36	4.81	9.62	19.2	
88-74-4	2-Nitroaniline	40.20	4.81	9.62	19.2	Y
98-95-3	Nitrobenzene	35.35	1.20	2.40	4.81	
100-02-7	4-Nitrophenol	28.16	4.81	9.62	19.2	Y
88-75-5	2-Nitrophenol	90.10	1.20	2.40	4.81	
86-30-6	N-Nitrosodiphenylamine	41.67	1.20	2.40	4.81	
621-64-7	N-Nitroso-di-n-propylamine	38.89	1.20	2.40	4.81	
87-86-5	Pentachlorophenol	96.11	4.81	9.62	19.2	
85-01-8	Phenanthrene	50.77	1.20	2.40	4.81	Q
108-95-2	Phenol	23.92	1.20	2.40	4.81	
129-00-0	Pyrene	49.79	1.20	2.40	4.81	
88-06-2	2,4,6-Trichlorophenol	94.36	1.20	2.40	4.81	Q
95-95-4	2,4,5-Trichlorophenol	103.5	1.20	2.40	4.81	Q, E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	44.31	92.2	50 - 110	
2-Fluorophenol	96.15	39.83	41.4	20 - 110	
Nitrobenzene-d5	48.08	35.17	73.2	40 - 110	Y
Phenol-d6	96.15	21.79	22.7	0 - 110	
Terphenyl-d14	48.08	53.04	110	50 - 135	
2,4,6-Tribromophenol	96.15	108.5	113	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B21009-MSD1 File ID: 0212709S.D

Sampled: Prepared: Analyzed: 02/24/12 19:45

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	47.66	1.25	2.50	5.00	Q
208-96-8	Acenaphthylene	48.81	1.25	2.50	5.00	Q
98-86-2	Acetophenone	37.38	1.25	2.50	5.00	
120-12-7	Anthracene	50.90	1.25	2.50	5.00	Q
1912-24-9	Atrazine	42.03	1.25	2.50	5.00	
100-52-7	Benzaldehyde	39.16	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	48.79	1.25	2.50	5.00	Q
50-32-8	Benzo(a)pyrene	54.11	1.25	2.50	5.00	Q
205-99-2	Benzo(b)fluoranthene	57.17	1.25	2.50	5.00	Q
191-24-2	Benzo(g,h,i)perylene	52.00	1.25	2.50	5.00	
65-85-0	Benzoic acid	34.02	12.5	25.0	50.0	Y, J
207-08-9	Benzo(k)fluoranthene	56.08	1.25	2.50	5.00	Q
92-52-4	1,1-Biphenyl	41.59	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	56.77	1.25	2.50	5.00	Q
85-68-7	Butylbenzylphthalate	54.88	1.25	2.50	5.00	Q
105-60-2	Caprolactam	7.159	1.25	2.50	5.00	Q
86-74-8	Carbazole	53.53	1.25	2.50	5.00	Q
59-50-7	4-Chloro-3-methylphenol	83.30	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	40.68	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	46.67	1.25	2.50	5.00	Q
111-44-4	Bis(2-chloroethyl)ether	42.78	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	44.33	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	44.04	1.25	2.50	5.00	Q
95-57-8	2-Chlorophenol	78.89	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	47.38	1.25	2.50	5.00	Q
218-01-9	Chrysene	51.71	1.25	2.50	5.00	Q
53-70-3	Dibenz(a,h)anthracene	55.31	1.25	2.50	5.00	Q
132-64-9	Dibenzofuran	48.62	1.25	2.50	5.00	Q
84-74-2	Di-n-butylphthalate	51.31	1.25	2.50	5.00	Q
91-94-1	3,3'-Dichlorobenzidine	53.92	1.25	2.50	5.00	Q, X
120-83-2	2,4-Dichlorophenol	93.50	1.25	2.50	5.00	Q
84-66-2	Diethylphthalate	49.00	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	79.53	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.38	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	86.87	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	72.74	1.00	25.0	50.0	Y
121-14-2	2,4-Dinitrotoluene	46.72	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.35	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	66.13	1.25	2.50	5.00	Q

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B21009-MSD1	File ID:	0212709S.D
Sampled:		Prepared:		Analyzed:	02/24/12 19:45
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B21009 Sequence: 2B05601 Calibration: 2018001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	47.24	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	58.53	1.25	2.50	5.00	Q
206-44-0	Fluoranthene	46.38	1.25	2.50	5.00	
86-73-7	Fluorene	47.64	1.25	2.50	5.00	Q
118-74-1	Hexachlorobenzene	55.89	1.25	2.50	5.00	Q
87-68-3	Hexachlorobutadiene	24.27	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	41.79	1.25	2.50	5.00	
67-72-1	Hexachloroethane	20.42	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	53.54	1.25	2.50	5.00	
78-59-1	Isophorone	40.48	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	45.88	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	44.47	1.25	2.50	5.00	Q
95-48-7	2-Methylphenol	66.28	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	59.81	1.25	2.50	5.00	
91-20-3	Naphthalene	38.70	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	49.29	5.00	10.0	20.0	Y
99-09-2	3-Nitroaniline	38.30	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	39.76	5.00	10.0	20.0	Y
98-95-3	Nitrobenzene	35.99	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	23.73	5.00	10.0	20.0	Y
88-75-5	2-Nitrophenol	93.63	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	47.86	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.30	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	98.61	5.00	10.0	20.0	
85-01-8	Phenanthrene	51.52	1.25	2.50	5.00	Q
108-95-2	Phenol	25.18	1.25	2.50	5.00	
129-00-0	Pyrene	50.66	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	95.17	1.25	2.50	5.00	Q
95-95-4	2,4,5-Trichlorophenol	105.6	1.25	2.50	5.00	Q, E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.58	91.2	50 - 110	
2-Fluorophenol	100.0	39.39	39.4	20 - 110	
Nitrobenzene-d5	50.00	36.07	72.1	40 - 110	Y
Phenol-d6	100.0	22.68	22.7	0 - 110	
Terphenyl-d14	50.00	54.12	108	50 - 135	
2,4,6-Tribromophenol	100.0	122.9	123	40 - 125	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B27016-BLK3 File ID: B27016B1.D

Sampled: Prepared: Analyzed: 03/02/12 16:11

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27016 Sequence: 2C06301 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	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_044

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

Matrix: Laboratory ID: 2B27016-BLK3 File ID: B27016B1.D

Sampled: Prepared: Analyzed: 03/02/12 16:11

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27016 Sequence: 2C06301 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	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	Y, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	34.97	69.9	50 - 110	
2-Fluorophenol	100.0	32.65	32.6	20 - 110	
Nitrobenzene-d5	50.00	31.54	63.1	40 - 110	
Phenol-d6	100.0	17.39	17.4	0 - 110	
Terphenyl-d14	50.00	51.67	103	50 - 135	
2,4,6-Tribromophenol	100.0	85.72	85.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B27016-BS1 File ID: B27016L1.D

Sampled: Prepared: Analyzed: 02/29/12 16:56

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27016 Sequence: 2C06122 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	36.10	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.97	1.25	2.50	5.00	
98-86-2	Acetophenone	33.27	1.25	2.50	5.00	
120-12-7	Anthracene	47.21	1.25	2.50	5.00	
1912-24-9	Atrazine	41.30	1.25	2.50	5.00	
100-52-7	Benzaldehyde	31.87	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	44.02	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	44.83	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	47.86	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.43	1.25	2.50	5.00	
65-85-0	Benzoic acid	16.51	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	45.37	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	39.05	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	46.52	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	43.44	1.25	2.50	5.00	
105-60-2	Caprolactam	5.935	1.25	2.50	5.00	
86-74-8	Carbazole	46.76	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	66.61	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.60	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	37.87	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	35.43	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	33.70	1.25	2.50	5.00	Y
91-58-7	2-Chloronaphthalene	33.20	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	62.10	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.54	1.25	2.50	5.00	
218-01-9	Chrysene	47.63	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	46.32	1.25	2.50	5.00	
132-64-9	Dibenzofuran	40.13	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	48.97	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	39.35	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	74.40	1.25	2.50	5.00	
84-66-2	Diethylphthalate	48.78	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	67.22	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	45.03	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	92.65	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	75.91	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	38.73	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	37.08	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	44.74	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_044

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

Matrix: | Laboratory ID: 2B27016-BS1 | File ID: B27016L1.D

Sampled: | Prepared: | Analyzed: 02/29/12 16:56

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B27016 | Sequence: 2C06122 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	38.02	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	44.14	1.25	2.50	5.00	
206-44-0	Fluoranthene	49.89	1.25	2.50	5.00	
86-73-7	Fluorene	42.35	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.29	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	21.03	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	23.56	1.25	2.50	5.00	
67-72-1	Hexachloroethane	18.06	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	44.69	1.25	2.50	5.00	
78-59-1	Isophorone	32.23	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	31.24	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	31.35	1.25	2.50	5.00	
95-48-7	2-Methylphenol	54.89	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	46.76	1.25	2.50	5.00	
91-20-3	Naphthalene	32.18	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	37.94	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	31.80	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	34.18	5.00	10.0	20.0	
98-95-3	Nitrobenzene	32.39	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	22.42	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	71.70	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	42.01	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	36.21	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	100.6	5.00	10.0	20.0	E
85-01-8	Phenanthrene	49.57	1.25	2.50	5.00	
108-95-2	Phenol	18.65	1.25	2.50	5.00	
129-00-0	Pyrene	41.42	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	75.82	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	84.57	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	41.29	82.6	50 - 110	
2-Fluorophenol	100.0	36.24	36.2	20 - 110	
Nitrobenzene-d5	50.00	34.60	69.2	40 - 110	
Phenol-d6	100.0	19.18	19.2	0 - 110	
Terphenyl-d14	50.00	48.40	96.8	50 - 135	
2,4,6-Tribromophenol	100.0	96.46	96.5	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B27016-MS1 File ID: 0212709M.D

Sampled: Prepared: Analyzed: 02/29/12 18:27

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27016 Sequence: 2C06122 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.22	1.25	2.50	5.00	H2
208-96-8	Acenaphthylene	40.29	1.25	2.50	5.00	H2
98-86-2	Acetophenone	35.91	1.25	2.50	5.00	H2
120-12-7	Anthracene	42.53	1.25	2.50	5.00	H2
1912-24-9	Atrazine	35.95	1.25	2.50	5.00	H2
100-52-7	Benzaldehyde	31.49	1.25	2.50	5.00	H2
92-87-5	Benzidine		12.5	25.0	50.0	H2, U
56-55-3	Benzo(a)anthracene	42.40	1.25	2.50	5.00	H2
50-32-8	Benzo(a)pyrene	42.35	1.25	2.50	5.00	H2
205-99-2	Benzo(b)fluoranthene	42.93	1.25	2.50	5.00	H2
191-24-2	Benzo(g,h,i)perylene	42.35	1.25	2.50	5.00	H2
65-85-0	Benzoic acid	51.98	12.5	25.0	50.0	H2
207-08-9	Benzo(k)fluoranthene	42.89	1.25	2.50	5.00	H2
92-52-4	1,1-Biphenyl	34.47	1.25	2.50	5.00	H2
101-55-3	4-Bromophenyl-phenylether	44.19	1.25	2.50	5.00	H2
85-68-7	Butylbenzylphthalate	45.97	1.25	2.50	5.00	H2
105-60-2	Caprolactam	10.64	1.25	2.50	5.00	H2, Q
86-74-8	Carbazole	40.23	1.25	2.50	5.00	H2
59-50-7	4-Chloro-3-methylphenol	79.04	1.25	2.50	5.00	H2
106-47-8	4-Chloroaniline	29.91	1.25	2.50	5.00	H2
111-91-1	Bis(2-chloroethoxy)methane	40.79	1.25	2.50	5.00	H2
111-44-4	Bis(2-chloroethyl)ether	37.49	1.25	2.50	5.00	H2
108-60-1	2,2'-Oxybis-1-chloropropane	33.46	1.25	2.50	5.00	H2, Y
91-58-7	2-Chloronaphthalene	31.37	1.25	2.50	5.00	H2
95-57-8	2-Chlorophenol	71.36	1.25	2.50	5.00	H2
7005-72-3	4-Chlorophenyl phenyl ether	44.76	1.25	2.50	5.00	H2
218-01-9	Chrysene	44.36	1.25	2.50	5.00	H2
53-70-3	Dibenz(a,h)anthracene	44.09	1.25	2.50	5.00	H2
132-64-9	Dibenzofuran	40.83	1.25	2.50	5.00	H2
84-74-2	Di-n-butylphthalate	43.67	1.25	2.50	5.00	H2
91-94-1	3,3'-Dichlorobenzidine	31.98	1.25	2.50	5.00	H2
120-83-2	2,4-Dichlorophenol	82.13	1.25	2.50	5.00	H2
84-66-2	Diethylphthalate	41.28	1.25	2.50	5.00	H2
105-67-9	2,4-Dimethylphenol	75.08	5.00	10.0	20.0	H2
131-11-3	Dimethyl phthalate	44.62	1.25	2.50	5.00	H2
534-52-1	4,6-Dinitro-2-methylphenol	91.37	5.00	10.0	20.0	H2, E
51-28-5	2,4-Dinitrophenol	87.65	1.00	25.0	50.0	H2
121-14-2	2,4-Dinitrotoluene	40.61	1.25	2.50	5.00	H2
606-20-2	2,6-Dinitrotoluene	38.36	1.25	2.50	5.00	H2
117-84-0	Di-n-octylphthalate	40.35	1.25	2.50	5.00	H2

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B27016-MS1 File ID: 0212709M.D

Sampled: Prepared: Analyzed: 02/29/12 18:27

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27016 Sequence: 2C06122 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	37.63	1.25	2.50	5.00	H2
117-81-7	Bis(2-ethylhexyl)phthalate	40.49	1.25	2.50	5.00	H2
206-44-0	Fluoranthene	41.73	1.25	2.50	5.00	H2
86-73-7	Fluorene	37.32	1.25	2.50	5.00	H2
118-74-1	Hexachlorobenzene	41.28	1.25	2.50	5.00	H2
87-68-3	Hexachlorobutadiene	23.14	1.25	2.50	5.00	H2
77-47-4	Hexachlorocyclopentadiene	26.55	1.25	2.50	5.00	H2
67-72-1	Hexachloroethane	19.01	1.25	2.50	5.00	H2
193-39-5	Indeno(1,2,3-cd)pyrene	41.67	1.25	2.50	5.00	H2
78-59-1	Isophorone	35.58	1.25	2.50	5.00	H2
90-12-0	1-Methylnaphthalene	34.43	1.25	2.50	5.00	H2
91-57-6	2-Methylnaphthalene	33.55	1.25	2.50	5.00	H2
95-48-7	2-Methylphenol	70.77	1.25	2.50	5.00	H2
108-39-4/106	3-Methylphenol/4-Methylphenol	66.00	1.25	2.50	5.00	H2, E
91-20-3	Naphthalene	32.65	1.25	2.50	5.00	H2
100-01-6	4-Nitroaniline	38.42	5.00	10.0	20.0	H2
99-09-2	3-Nitroaniline	28.52	5.00	10.0	20.0	H2
88-74-4	2-Nitroaniline	37.18	5.00	10.0	20.0	H2
98-95-3	Nitrobenzene	35.59	1.25	2.50	5.00	H2
100-02-7	4-Nitrophenol	38.66	5.00	10.0	20.0	H2
88-75-5	2-Nitrophenol	74.75	1.25	2.50	5.00	H2
86-30-6	N-Nitrosodiphenylamine	37.59	1.25	2.50	5.00	H2
621-64-7	N-Nitroso-di-n-propylamine	38.47	1.25	2.50	5.00	H2
87-86-5	Pentachlorophenol	92.07	5.00	10.0	20.0	H2
85-01-8	Phenanthrene	45.19	1.25	2.50	5.00	H2
108-95-2	Phenol	33.11	1.25	2.50	5.00	H2
129-00-0	Pyrene	51.16	1.25	2.50	5.00	H2
88-06-2	2,4,6-Trichlorophenol	83.41	1.25	2.50	5.00	H2
95-95-4	2,4,5-Trichlorophenol	86.84	1.25	2.50	5.00	H2

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.67	81.3	50 - 110	H2
2-Fluorophenol	100.0	53.60	53.6	20 - 110	H2
Nitrobenzene-d5	50.00	35.19	70.4	40 - 110	H2
Phenol-d6	100.0	33.38	33.4	0 - 110	H2
Terphenyl-d14	50.00	55.77	112	50 - 135	H2
2,4,6-Tribromophenol	100.0	95.66	95.7	40 - 125	H2

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B27016-MSD1 File ID: 0212709S.D

Sampled: Prepared: Analyzed: 02/29/12 18:57

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27016 Sequence: 2C06122 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	34.85	1.25	2.50	5.00	H2
208-96-8	Acenaphthylene	34.80	1.25	2.50	5.00	H2
98-86-2	Acetophenone	31.92	1.25	2.50	5.00	H2
120-12-7	Anthracene	43.90	1.25	2.50	5.00	H2
1912-24-9	Atrazine	38.84	1.25	2.50	5.00	H2
100-52-7	Benzaldehyde	28.15	1.25	2.50	5.00	H2
92-87-5	Benzidine		12.5	25.0	50.0	H2, U
56-55-3	Benzo(a)anthracene	42.71	1.25	2.50	5.00	H2
50-32-8	Benzo(a)pyrene	44.19	1.25	2.50	5.00	H2
205-99-2	Benzo(b)fluoranthene	45.61	1.25	2.50	5.00	H2
191-24-2	Benzo(g,h,i)perylene	45.87	1.25	2.50	5.00	H2
65-85-0	Benzoic acid	47.24	12.5	25.0	50.0	H2, J
207-08-9	Benzo(k)fluoranthene	43.24	1.25	2.50	5.00	H2
92-52-4	1,1-Biphenyl	34.14	1.25	2.50	5.00	H2
101-55-3	4-Bromophenyl-phenylether	42.56	1.25	2.50	5.00	H2
85-68-7	Butylbenzylphthalate	47.09	1.25	2.50	5.00	H2
105-60-2	Caprolactam	11.06	1.25	2.50	5.00	H2, Q
86-74-8	Carbazole	42.87	1.25	2.50	5.00	H2
59-50-7	4-Chloro-3-methylphenol	74.67	1.25	2.50	5.00	H2
106-47-8	4-Chloroaniline	32.14	1.25	2.50	5.00	H2
111-91-1	Bis(2-chloroethoxy)methane	36.35	1.25	2.50	5.00	H2
111-44-4	Bis(2-chloroethyl)ether	31.76	1.25	2.50	5.00	H2
108-60-1	2,2'-Oxybis-1-chloropropane	29.77	1.25	2.50	5.00	H2, Y
91-58-7	2-Chloronaphthalene	28.63	1.25	2.50	5.00	H2
95-57-8	2-Chlorophenol	62.79	1.25	2.50	5.00	H2
7005-72-3	4-Chlorophenyl phenyl ether	43.05	1.25	2.50	5.00	H2
218-01-9	Chrysene	46.32	1.25	2.50	5.00	H2
53-70-3	Dibenz(a,h)anthracene	44.71	1.25	2.50	5.00	H2
132-64-9	Dibenzofuran	38.43	1.25	2.50	5.00	H2
84-74-2	Di-n-butylphthalate	45.26	1.25	2.50	5.00	H2
91-94-1	3,3'-Dichlorobenzidine	35.34	1.25	2.50	5.00	H2
120-83-2	2,4-Dichlorophenol	73.38	1.25	2.50	5.00	H2
84-66-2	Diethylphthalate	40.01	1.25	2.50	5.00	H2
105-67-9	2,4-Dimethylphenol	68.59	5.00	10.0	20.0	H2
131-11-3	Dimethyl phthalate	43.06	1.25	2.50	5.00	H2
534-52-1	4,6-Dinitro-2-methylphenol	91.26	5.00	10.0	20.0	H2, E
51-28-5	2,4-Dinitrophenol	79.87	1.00	25.0	50.0	H2
121-14-2	2,4-Dinitrotoluene	36.55	1.25	2.50	5.00	H2
606-20-2	2,6-Dinitrotoluene	37.21	1.25	2.50	5.00	H2
117-84-0	Di-n-octylphthalate	41.44	1.25	2.50	5.00	H2

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Matrix: Laboratory ID: 2B27016-MSD1 File ID: 0212709S.D

Sampled: Prepared: Analyzed: 02/29/12 18:57

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27016 Sequence: 2C06122 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	35.88	1.25	2.50	5.00	H2
117-81-7	Bis(2-ethylhexyl)phthalate	40.92	1.25	2.50	5.00	H2
206-44-0	Fluoranthene	40.04	1.25	2.50	5.00	H2
86-73-7	Fluorene	37.79	1.25	2.50	5.00	H2
118-74-1	Hexachlorobenzene	43.18	1.25	2.50	5.00	H2
87-68-3	Hexachlorobutadiene	17.54	1.25	2.50	5.00	H2
77-47-4	Hexachlorocyclopentadiene	19.96	1.25	2.50	5.00	H2
67-72-1	Hexachloroethane	14.42	1.25	2.50	5.00	H2
193-39-5	Indeno(1,2,3-cd)pyrene	45.12	1.25	2.50	5.00	H2
78-59-1	Isophorone	32.99	1.25	2.50	5.00	H2
90-12-0	1-Methylnaphthalene	29.70	1.25	2.50	5.00	H2
91-57-6	2-Methylnaphthalene	29.35	1.25	2.50	5.00	H2
95-48-7	2-Methylphenol	62.49	1.25	2.50	5.00	H2
108-39-4/106	3-Methylphenol/4-Methylphenol	60.41	1.25	2.50	5.00	H2, E
91-20-3	Naphthalene	27.49	1.25	2.50	5.00	H2
100-01-6	4-Nitroaniline	38.32	5.00	10.0	20.0	H2
99-09-2	3-Nitroaniline	31.75	5.00	10.0	20.0	H2
88-74-4	2-Nitroaniline	34.30	5.00	10.0	20.0	H2
98-95-3	Nitrobenzene	29.84	1.25	2.50	5.00	H2
100-02-7	4-Nitrophenol	37.21	5.00	10.0	20.0	H2
88-75-5	2-Nitrophenol	66.25	1.25	2.50	5.00	H2
86-30-6	N-Nitrosodiphenylamine	39.07	1.25	2.50	5.00	H2
621-64-7	N-Nitroso-di-n-propylamine	35.31	1.25	2.50	5.00	H2
87-86-5	Pentachlorophenol	91.82	5.00	10.0	20.0	H2
85-01-8	Phenanthrene	44.15	1.25	2.50	5.00	H2
108-95-2	Phenol	29.24	1.25	2.50	5.00	H2
129-00-0	Pyrene	50.50	1.25	2.50	5.00	H2
88-06-2	2,4,6-Trichlorophenol	75.37	1.25	2.50	5.00	H2
95-95-4	2,4,5-Trichlorophenol	80.44	1.25	2.50	5.00	H2

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.41	72.8	50 - 110	H2
2-Fluorophenol	100.0	46.10	46.1	20 - 110	H2
Nitrobenzene-d5	50.00	31.24	62.5	40 - 110	H2
Phenol-d6	100.0	28.96	29.0	0 - 110	H2
Terphenyl-d14	50.00	56.25	113	50 - 135	H2
2,4,6-Tribromophenol	100.0	91.20	91.2	40 - 125	H2

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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
GW0407	02/09/12 14:57	02/13/12 08:00	02/15/12 15:00	5.96	7.00	02/21/12 18:00	6.13	40.00	
GW0415	02/09/12 15:01	02/13/12 08:00	02/15/12 15:00	5.96	7.00	02/21/12 18:30	6.15	40.00	
GW0441	02/10/12 13:00	02/13/12 08:00	02/14/12 15:00	4.04	7.00	02/19/12 03:02	4.50	40.00	
GW0442	02/10/12 09:26	02/13/12 08:00	02/14/12 15:00	4.19	7.00	02/19/12 03:33	4.52	40.00	
GW0443	02/10/12 09:26	02/13/12 08:00	02/14/12 15:00	4.19	7.00	02/19/12 04:03	4.54	40.00	
GW0480	02/10/12 11:47	02/13/12 08:00	02/14/12 15:00	4.09	7.00	02/19/12 04:34	4.57	40.00	
GW0391	02/13/12 11:48	02/14/12 09:30	02/17/12 15:55	4.13	7.00	02/18/12 15:29	0.98	40.00	
GW0412	02/13/12 10:10	02/14/12 09:30	02/17/12 15:55	4.20	7.00	02/18/12 15:59	1.00	40.00	
GW0414	02/13/12 13:13	02/14/12 09:30	02/17/12 15:55	4.07	7.00	02/18/12 16:30	1.02	40.00	
GW0394	02/13/12 14:12	02/15/12 08:30	02/17/12 15:55	4.03	7.00	02/18/12 17:00	1.05	40.00	
GW0413	02/13/12 15:33	02/15/12 08:30	02/17/12 15:55	3.97	7.00	02/18/12 17:31	1.07	40.00	
GW0431	02/15/12 10:31	02/16/12 08:20	02/20/12 11:10	4.99	7.00	02/22/12 18:07	2.29	40.00	
GW0432	02/15/12 12:53	02/16/12 08:20	02/20/12 11:10	4.89	7.00	02/22/12 18:37	2.31	40.00	
GW0433	02/15/12 12:53	02/16/12 08:20	02/20/12 11:10	4.89	7.00	02/22/12 19:08	2.33	40.00	
GW0447	02/15/12 12:33	02/16/12 08:20	02/20/12 11:10	4.90	7.00	02/22/12 19:38	2.35	40.00	
GW0471	02/14/12 15:22	02/16/12 08:20	02/20/12 11:10	5.78	7.00	02/22/12 20:09	2.37	40.00	
GW0481	02/14/12 14:56	02/16/12 08:20	02/20/12 11:10	5.80	7.00	02/22/12 20:40	2.40	40.00	
GW0434	02/15/12 15:58	02/17/12 08:30	02/20/12 11:10	4.76	7.00	02/22/12 21:11	2.42	40.00	
GW0445	02/16/12 11:13	02/17/12 08:30	02/20/12 11:10	3.96	7.00	02/22/12 21:41	2.44	40.00	
GW0446	02/15/12 15:03	02/17/12 08:30	02/20/12 11:10	4.80	7.00	02/25/12 01:41	4.60	40.00	
GW0469	02/16/12 14:12	02/17/12 08:30	02/20/12 11:10	3.83	7.00	02/22/12 22:42	2.48	40.00	
GW0470	02/16/12 11:54	02/17/12 08:30	02/21/12 12:00	4.96	7.00	02/24/12 18:45	3.28	40.00	
GW0470	02/16/12 11:54	02/17/12 08:30	02/27/12 12:42	10.99	7.00	02/29/12 17:56	2.22	40.00	*

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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
Calibration Check	2B04608-CCV3	020F2001.D	02/15/12 00:14
GW0407	1202084-01	022F2201.D	02/15/12 01:20
GW0415	1202084-03	023F2301.D	02/15/12 01:53
GW0441	1202084-05	024F2401.D	02/15/12 02:26
GW0442	1202084-07	025F2501.D	02/15/12 02:59
GW0443	1202084-09	026F2601.D	02/15/12 03:32
GW0480	1202084-11	027F2701.D	02/15/12 04:05
Calibration Check	2B04608-CCV4	028F2801.D	02/15/12 04:38

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05202	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05202-CCV1	003F0301.D	02/17/12 16:28
Blank	2B17003-BLK1	004F0401.D	02/17/12 17:01
LCS	2B17003-BS1	005F0501.D	02/17/12 17:34
GW0391	1202096-01	006F0601.D	02/17/12 18:07
GW0412	1202096-03	007F0701.D	02/17/12 18:40
GW0414	1202096-05	008F0801.D	02/17/12 19:13
GW0394	1202099-01	009F0901.D	02/17/12 19:46
GW0413	1202099-03	010F1001.D	02/17/12 20:19
GW0431	1202116-01	011F1101.D	02/17/12 20:52
GW0432	1202116-03	012F1201.D	02/17/12 21:24
GW0433	1202116-05	013F1301.D	02/17/12 21:57
GW0447	1202116-07	014F1401.D	02/17/12 22:30
GW0471	1202116-09	015F1501.D	02/17/12 23:03
Calibration Check	2B05202-CCV2	016F1601.D	02/17/12 23:36

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05308	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05308-CCV1	008F0801.D	02/21/12 15:13
Calibration Check	2B05308-CCV2	017F1701.D	02/21/12 20:31
GW0481	1202116-11	018F1801.D	02/21/12 21:04
GW0434	1202127-01	019F1901.D	02/21/12 21:37
GW0445	1202127-03	020F2001.D	02/21/12 22:10
GW0446	1202127-05	021F2101.D	02/21/12 22:43
GW0469	1202127-07	022F2201.D	02/21/12 23:16
GW0470	1202127-09	023F2301.D	02/21/12 23:49
GW0470	2B17003-MS1	024F2401.D	02/22/12 00:22
GW0470	2B17003-MSD1	025F2501.D	02/22/12 00:55
Calibration Check	2B05308-CCV3	026F2601.D	02/22/12 01:28

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01	File ID:	022F2201.D
Sampled:	02/09/12 14:57	Prepared:	02/14/12 11:18	Analyzed:	02/15/12 01:20
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	0.01802	91.9	30 - 140	

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03	File ID:	023F2301.D
Sampled:	02/09/12 15:01	Prepared:	02/14/12 11:18	Analyzed:	02/15/12 01:53
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	0.02014	103	30 - 140	

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05	File ID:	024F2401.D
Sampled:	02/10/12 13:00	Prepared:	02/14/12 11:18	Analyzed:	02/15/12 02:26
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	0.02082	106	30 - 140	

ANALYSIS DATA SHEET

GW0442

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07	File ID:	025F2501.D
Sampled:	02/10/12 09:26	Prepared:	02/14/12 11:18	Analyzed:	02/15/12 02:59
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	0.01847	96.1	30 - 140	

ANALYSIS DATA SHEET

GW0443

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09	File ID:	026F2601.D
Sampled:	02/10/12 09:26	Prepared:	02/14/12 11:18	Analyzed:	02/15/12 03:32
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	0.01909	95.4	30 - 140	

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11	File ID:	027F2701.D
Sampled:	02/10/12 11:47	Prepared:	02/14/12 11:18	Analyzed:	02/15/12 04:05
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	0.01738	90.4	30 - 140	

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01	File ID:	006F0601.D
Sampled:	02/13/12 11:48	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 18:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01735	86.7	30 - 140	

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03	File ID:	007F0701.D
Sampled:	02/13/12 10:10	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 18:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01574	78.7	30 - 140	

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05	File ID:	008F0801.D
Sampled:	02/13/12 13:13	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 19:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01759	88.0	30 - 140	

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01	File ID:	009F0901.D
Sampled:	02/13/12 14:12	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 19:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01523	77.7	30 - 140	

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03	File ID:	010F1001.D
Sampled:	02/13/12 15:33	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 20:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01943	97.2	30 - 140	

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01	File ID:	011F1101.D
Sampled:	02/15/12 10:31	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 20:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01658	82.9	30 - 140	

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03	File ID:	012F1201.D
Sampled:	02/15/12 12:53	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 21:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01734	88.4	30 - 140	

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05	File ID:	013F1301.D
Sampled:	02/15/12 12:53	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 21:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01691	84.6	30 - 140	

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07	File ID:	014F1401.D
Sampled:	02/15/12 12:33	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 22:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01380	69.0	30 - 140	

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09	File ID:	015F1501.D
Sampled:	02/14/12 15:22	Prepared:	02/17/12 12:05	Analyzed:	02/17/12 23:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05202 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	0.01648	85.7	30 - 140	

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11	File ID:	018F1801.D
Sampled:	02/14/12 14:56	Prepared:	02/17/12 12:05	Analyzed:	02/21/12 21:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05308 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	0.02056	105	30 - 140	

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01	File ID:	019F1901.D
Sampled:	02/15/12 15:58	Prepared:	02/17/12 12:05	Analyzed:	02/21/12 21:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05308 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0990	0.0990	0.0990	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01899	95.9	30 - 140	

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03	File ID:	020F2001.D
Sampled:	02/16/12 11:13	Prepared:	02/17/12 12:05	Analyzed:	02/21/12 22:10
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2B17003 Sequence: 2B05308 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	9.27	0.495	0.495	0.495	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01871	94.5	30 - 140	

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05	File ID:	021F2101.D
Sampled:	02/15/12 15:03	Prepared:	02/17/12 12:05	Analyzed:	02/21/12 22:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05308 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	4.86	0.0990	0.0990	0.0990	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01874	94.7	30 - 140	

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07	File ID:	022F2201.D
Sampled:	02/16/12 14:12	Prepared:	02/17/12 12:05	Analyzed:	02/21/12 23:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05308 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.51	0.0990	0.0990	0.0990	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01917	96.8	30 - 140	

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09	File ID:	023F2301.D
Sampled:	02/16/12 11:54	Prepared:	02/17/12 12:05	Analyzed:	02/21/12 23:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B17003 Sequence: 2B05308 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.490	0.0990	0.0990	0.0990	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01946	98.3	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17003	Laboratory ID:	2B17003-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	0.6318	63.2	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B17003

% Solids:

Source Sample Name: **1202127-09**

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	0.4898	1.337	86.4		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	1.374	90.2	2.76		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/14/12 11:18	1,020.00	1.00
GW0415	1202084-03	02/14/12 11:18	1,020.00	1.00
GW0441	1202084-05	02/14/12 11:18	1,020.00	1.00
GW0442	1202084-07	02/14/12 11:18	1,040.00	1.00
GW0443	1202084-09	02/14/12 11:18	1,000.00	1.00
GW0480	1202084-11	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

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B17003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/17/12 12:05	1,000.00	1.00
GW0412	1202096-03	02/17/12 12:05	1,000.00	1.00
GW0414	1202096-05	02/17/12 12:05	1,000.00	1.00
GW0394	1202099-01	02/17/12 12:05	1,020.00	1.00
GW0413	1202099-03	02/17/12 12:05	1,000.00	1.00
GW0431	1202116-01	02/17/12 12:05	1,000.00	1.00
GW0432	1202116-03	02/17/12 12:05	1,020.00	1.00
GW0433	1202116-05	02/17/12 12:05	1,000.00	1.00
GW0447	1202116-07	02/17/12 12:05	1,000.00	1.00
GW0471	1202116-09	02/17/12 12:05	1,040.00	1.00
GW0481	1202116-11	02/17/12 12:05	1,020.00	1.00
GW0434	1202127-01	02/17/12 12:05	1,010.00	1.00
GW0445	1202127-03	02/17/12 12:05	1,010.00	1.00
GW0446	1202127-05	02/17/12 12:05	1,010.00	1.00
GW0469	1202127-07	02/17/12 12:05	1,010.00	1.00
GW0470	1202127-09	02/17/12 12:05	1,010.00	1.00
Blank	2B17003-BLK1	02/17/12 12:05	1,000.00	1.00
LCS	2B17003-BS1	02/17/12 12:05	1,000.00	1.00
GW0470	2B17003-MS1	02/17/12 12:05	1,020.00	1.00
GW0470	2B17003-MSD1	02/17/12 12:05	1,020.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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 ICAL1@100ppm	2A00203-CAL1	019F1901.D	12/29/11 01:48
11K0385	DRO ICAL2@250ppm	2A00203-CAL2	020F2001.D	12/29/11 02:21
11K0384	DRO ICAL3@500ppm	2A00203-CAL3	021F2101.D	12/29/11 02:55
11K0383	DRO ICAL4@1000ppm	2A00203-CAL4	022F2201.D	12/29/11 03:28
11K0382	DRO ICAL5@2500ppm	2A00203-CAL5	023F2301.D	12/29/11 04:01
11K0381	DRO ICAL6@5000ppm	2A00203-CAL6	024F2401.D	12/29/11 04:34

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044	
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_044
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_044
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_044
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_044
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_044
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

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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:	2B05202	Injection Date:	02/17/12
Lab Sample ID:	2B05202-CCV1	Injection Time:	16:28

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	812.3	917.426	745.238		-18.8	20
o-Terphenyl	A	50.00	50.17	1141.052	1144.96		0.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	016F1601.D	Calibration Date:	01/02/12 23:46
Sequence:	2B05202	Injection Date:	02/17/12
Lab Sample ID:	2B05202-CCV2	Injection Time:	23:36

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	815.5	917.426	748.201		-18.4	20
o-Terphenyl	A	50.00	52.63	1141.052	1201.04		5.3	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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	008F0801.D	Calibration Date:	01/02/12 23:46
Sequence:	2B05308	Injection Date:	02/21/12
Lab Sample ID:	2B05308-CCV1	Injection Time:	15:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	836.8	917.426	767.745		-16.3	20
o-Terphenyl	A	50.00	53.46	1141.052	1220		6.9	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_044
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:	2B05308	Injection Date:	02/21/12
Lab Sample ID:	2B05308-CCV2	Injection Time:	20:31

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	809.1	917.426	742.288		-19.1	20
o-Terphenyl	A	50.00	53.76	1141.052	1226.8		7.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	026F2601.D	Calibration Date:	01/02/12 23:46
Sequence:	2B05308	Injection Date:	02/22/12
Lab Sample ID:	2B05308-CCV3	Injection Time:	01:28

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	805.4	917.426	738.902		-19.5	20
o-Terphenyl	A	50.00	54.52	1141.052	1244.16		9.0	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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	
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	
GW0407 (1202084-01) mg/L				Lab File ID: 022F2201.D		Analyzed: 02/15/12 01:20		
o-Terphenyl	0.01961	91.9	30 - 140	10.856	10.903	-0.0470	+/-0.050	
GW0415 (1202084-03) mg/L				Lab File ID: 023F2301.D		Analyzed: 02/15/12 01:53		
o-Terphenyl	0.01961	103	30 - 140	10.856	10.903	-0.0470	+/-0.050	
GW0441 (1202084-05) mg/L				Lab File ID: 024F2401.D		Analyzed: 02/15/12 02:26		
o-Terphenyl	0.01961	106	30 - 140	10.86	10.903	-0.0430	+/-0.050	
GW0442 (1202084-07) mg/L				Lab File ID: 025F2501.D		Analyzed: 02/15/12 02:59		
o-Terphenyl	0.01923	96.1	30 - 140	10.853	10.903	-0.0500	+/-0.050	
GW0443 (1202084-09) mg/L				Lab File ID: 026F2601.D		Analyzed: 02/15/12 03:32		
o-Terphenyl	0.02000	95.4	30 - 140	10.856	10.903	-0.0470	+/-0.050	
GW0480 (1202084-11) mg/L				Lab File ID: 027F2701.D		Analyzed: 02/15/12 04:05		
o-Terphenyl	0.01923	90.4	30 - 140	10.85	10.903	-0.0530	+/-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	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05202	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05202-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 02/17/12 16:28		
o-Terphenyl	50.00	100	80 - 120	10.88	10.88	0.0000	+/-0.050	
Blank (2B17003-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/17/12 17:01		
o-Terphenyl	0.02000	74.8	30 - 140	10.88	10.88	0.0000	+/-0.050	
LCS (2B17003-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/17/12 17:34		
o-Terphenyl	0.02000	82.2	30 - 140	10.893	10.88	0.0130	+/-0.050	
GW0391 (1202096-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/17/12 18:07		
o-Terphenyl	0.02000	86.7	30 - 140	10.89	10.88	0.0100	+/-0.050	
GW0412 (1202096-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/17/12 18:40		
o-Terphenyl	0.02000	78.7	30 - 140	10.883	10.88	0.0030	+/-0.050	
GW0414 (1202096-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/17/12 19:13		
o-Terphenyl	0.02000	88.0	30 - 140	10.883	10.88	0.0030	+/-0.050	
GW0394 (1202099-01) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/17/12 19:46		
o-Terphenyl	0.01961	77.7	30 - 140	10.88	10.88	0.0000	+/-0.050	
GW0413 (1202099-03) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/17/12 20:19		
o-Terphenyl	0.02000	97.2	30 - 140	10.876	10.88	-0.0040	+/-0.050	
GW0431 (1202116-01) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/17/12 20:52		
o-Terphenyl	0.02000	82.9	30 - 140	10.876	10.88	-0.0040	+/-0.050	
GW0432 (1202116-03) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/17/12 21:24		
o-Terphenyl	0.01961	88.4	30 - 140	10.866	10.88	-0.0140	+/-0.050	
GW0433 (1202116-05) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/17/12 21:57		
o-Terphenyl	0.02000	84.6	30 - 140	10.86	10.88	-0.0200	+/-0.050	
GW0447 (1202116-07) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/17/12 22:30		
o-Terphenyl	0.02000	69.0	30 - 140	10.856	10.88	-0.0240	+/-0.050	
GW0471 (1202116-09) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/17/12 23:03		
o-Terphenyl	0.01923	85.7	30 - 140	10.85	10.88	-0.0300	+/-0.050	
Calibration Check (2B05202-CCV2) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/17/12 23:36		
o-Terphenyl	50.00	105	80 - 120	10.843	10.88	-0.0370	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05308	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05308-CCV1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/21/12 15:13		
o-Terphenyl	50.00	107	80 - 120	10.936	10.936	0.0000	+/-0.050	
Calibration Check (2B05308-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/21/12 20:31		
o-Terphenyl	50.00	108	80 - 120	10.846	10.936	-0.0900	+/-0.050	*
GW0481 (1202116-11) mg/L				Lab File ID: 018F1801.D		Analyzed: 02/21/12 21:04		
o-Terphenyl	0.01961	105	30 - 140	10.853	10.936	-0.0830	+/-0.050	*
GW0434 (1202127-01) mg/L				Lab File ID: 019F1901.D		Analyzed: 02/21/12 21:37		
o-Terphenyl	0.01980	95.9	30 - 140	10.853	10.936	-0.0830	+/-0.050	*
GW0445 (1202127-03) mg/L				Lab File ID: 020F2001.D		Analyzed: 02/21/12 22:10		
o-Terphenyl	0.01980	94.5	30 - 140	10.836	10.936	-0.1000	+/-0.050	*
GW0446 (1202127-05) mg/L				Lab File ID: 021F2101.D		Analyzed: 02/21/12 22:43		
o-Terphenyl	0.01980	94.7	30 - 140	10.843	10.936	-0.0930	+/-0.050	*
GW0469 (1202127-07) mg/L				Lab File ID: 022F2201.D		Analyzed: 02/21/12 23:16		
o-Terphenyl	0.01980	96.8	30 - 140	10.853	10.936	-0.0830	+/-0.050	*
GW0470 (1202127-09) mg/L				Lab File ID: 023F2301.D		Analyzed: 02/21/12 23:49		
o-Terphenyl	0.01980	98.3	30 - 140	10.843	10.936	-0.0930	+/-0.050	*
Matrix Spike (2B17003-MS1) mg/L				Lab File ID: 024F2401.D		Analyzed: 02/22/12 00:22		
o-Terphenyl	0.01961	101	30 - 140	10.846	10.936	-0.0900	+/-0.050	*
Matrix Spike Dup (2B17003-MSD1) mg/L				Lab File ID: 025F2501.D		Analyzed: 02/22/12 00:55		
o-Terphenyl	0.01961	103	30 - 140	10.843	10.936	-0.0930	+/-0.050	*
Calibration Check (2B05308-CCV3) mg/L				Lab File ID: 026F2601.D		Analyzed: 02/22/12 01:28		
o-Terphenyl	50.00	109	80 - 120	10.846	10.936	-0.0900	+/-0.050	*

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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
GW0407	02/09/12 14:57	02/13/12 08:00	02/14/12 11:18	4.81	7.00	02/15/12 01:20	0.58	40.00	
GW0415	02/09/12 15:01	02/13/12 08:00	02/14/12 11:18	4.80	7.00	02/15/12 01:53	0.61	40.00	
GW0441	02/10/12 13:00	02/13/12 08:00	02/14/12 11:18	3.89	7.00	02/15/12 02:26	0.63	40.00	
GW0442	02/10/12 09:26	02/13/12 08:00	02/14/12 11:18	4.04	7.00	02/15/12 02:59	0.65	40.00	
GW0443	02/10/12 09:26	02/13/12 08:00	02/14/12 11:18	4.04	7.00	02/15/12 03:32	0.68	40.00	
GW0480	02/10/12 11:47	02/13/12 08:00	02/14/12 11:18	3.94	7.00	02/15/12 04:05	0.70	40.00	
GW0391	02/13/12 11:48	02/14/12 09:30	02/17/12 12:05	3.97	7.00	02/17/12 18:07	0.25	40.00	
GW0412	02/13/12 10:10	02/14/12 09:30	02/17/12 12:05	4.04	7.00	02/17/12 18:40	0.27	40.00	
GW0414	02/13/12 13:13	02/14/12 09:30	02/17/12 12:05	3.91	7.00	02/17/12 19:13	0.30	40.00	
GW0394	02/13/12 14:12	02/15/12 08:30	02/17/12 12:05	3.87	7.00	02/17/12 19:46	0.32	40.00	
GW0413	02/13/12 15:33	02/15/12 08:30	02/17/12 12:05	3.81	7.00	02/17/12 20:19	0.34	40.00	
GW0431	02/15/12 10:31	02/16/12 08:20	02/17/12 12:05	2.02	7.00	02/17/12 20:52	0.37	40.00	
GW0432	02/15/12 12:53	02/16/12 08:20	02/17/12 12:05	1.93	7.00	02/17/12 21:24	0.39	40.00	
GW0433	02/15/12 12:53	02/16/12 08:20	02/17/12 12:05	1.93	7.00	02/17/12 21:57	0.41	40.00	
GW0447	02/15/12 12:33	02/16/12 08:20	02/17/12 12:05	1.94	7.00	02/17/12 22:30	0.43	40.00	
GW0471	02/14/12 15:22	02/16/12 08:20	02/17/12 12:05	2.82	7.00	02/17/12 23:03	0.46	40.00	
GW0481	02/14/12 14:56	02/16/12 08:20	02/17/12 12:05	2.84	7.00	02/21/12 21:04	4.37	40.00	
GW0434	02/15/12 15:58	02/17/12 08:30	02/17/12 12:05	1.80	7.00	02/21/12 21:37	4.40	40.00	
GW0445	02/16/12 11:13	02/17/12 08:30	02/17/12 12:05	0.99	7.00	02/21/12 22:10	4.42	40.00	
GW0446	02/15/12 15:03	02/17/12 08:30	02/17/12 12:05	1.83	7.00	02/21/12 22:43	4.44	40.00	
GW0469	02/16/12 14:12	02/17/12 08:30	02/17/12 12:05	0.87	7.00	02/21/12 23:16	4.47	40.00	
GW0470	02/16/12 11:54	02/17/12 08:30	02/17/12 12:05	0.97	7.00	02/21/12 23:49	4.49	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B17003-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/17/12 17:01
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B17003	Sequence:	2B05202	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	0.01496	74.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B17003-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/17/12 17:34
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B17003	Sequence:	2B05202	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6318	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01644	82.2	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B17003-MS1	File ID:	024F2401.D
Sampled:		Prepared:		Analyzed:	02/22/12 00:22
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B17003 Sequence: 2B05308 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.337	0.0980	0.0980	0.0980	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01987	101	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B17003-MSD1	File ID:	025F2501.D
Sampled:		Prepared:		Analyzed:	02/22/12 00:55
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B17003	Sequence:	2B05308	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.374	0.0980	0.0980	0.0980	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.02011	103	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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
GW0407	1202084-01	007F0701.D	02/13/12 15:31
GW0415	1202084-03	008F0801.D	02/13/12 16:09
GW0441	1202084-05	009F0901.D	02/13/12 16:48
GW0442	1202084-07	010F1001.D	02/13/12 17:26
GW0442	2B13014-MS1	011F1101.D	02/13/12 18:04
GW0442	2B13014-MSD1	012F1201.D	02/13/12 18:42
GW0443	1202084-09	013F1301.D	02/13/12 19:20
GW0480	1202084-11	014F1401.D	02/13/12 19:58
Calibration Check	2B04501-CCV2	015F1501.D	02/13/12 20:36

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04701	Instrument:	GL-GCVOA2
Calibration:	2013003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B04701-CCV1	003F0301.D	02/15/12 12:53
LCS	2B15013-BS1	004F0401.D	02/15/12 14:28
Blank	2B15013-BLK1	005F0501.D	02/15/12 15:07
GW0391	1202096-01	006F0601.D	02/15/12 15:46
GW0391	2B15013-MS1	007F0701.D	02/15/12 16:26
GW0391	2B15013-MSD1	008F0801.D	02/15/12 17:05
GW0412	1202096-03	009F0901.D	02/15/12 17:44
GW0414	1202096-05	010F1001.D	02/15/12 18:23
Calibration Check	2B04701-CCV2	011F1101.D	02/15/12 19:02

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05205	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05205-CAL1	005F0501.D	02/17/12 14:37
Cal Standard	2B05205-CAL2	006F0601.D	02/17/12 15:16
Cal Standard	2B05205-CAL3	007F0701.D	02/17/12 15:56
Cal Standard	2B05205-CAL4	008F0801.D	02/17/12 16:35
Cal Standard	2B05205-CAL5	009F0901.D	02/17/12 17:15
Cal Standard	2B05205-CAL6	010F1001.D	02/17/12 17:54
Initial Cal Check	2B05205-ICV1	011F1101.D	02/17/12 18:33

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05207	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05207-CCV1	012F1201.D	02/17/12 19:12
LCS	2B17010-BS1	013F1301.D	02/17/12 19:51
Blank	2B17010-BLK1	014F1401.D	02/17/12 20:29
GW0394	1202099-01	015F1501.D	02/17/12 21:08
GW0413	1202099-03	016F1601.D	02/17/12 21:47
GW0431	1202116-01	017F1701.D	02/17/12 22:26
GW0431	2B17010-MS1	018F1801.D	02/17/12 23:06
GW0431	2B17010-MSD1	019F1901.D	02/17/12 23:45
GW0432	1202116-03	020F2001.D	02/18/12 00:25
GW0433	1202116-05	021F2101.D	02/18/12 01:04
GW0447	1202116-07	022F2201.D	02/18/12 01:44
GW0471	1202116-09	023F2301.D	02/18/12 02:23
GW0481	1202116-11	024F2401.D	02/18/12 03:03
Calibration Check	2B05207-CCV2	027F2701.D	02/18/12 05:01

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05411	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05411-CCV1	003F0301.D	02/21/12 10:42
LCS	2B20013-BS1	004F0401.D	02/21/12 11:55
Blank	2B20013-BLK1	005F0501.D	02/21/12 12:35
GW0434	1202127-01	006F0601.D	02/21/12 13:15
GW0445	1202127-03	007F0701.D	02/21/12 14:09
GW0446	1202127-05	008F0801.D	02/21/12 14:48
GW0469	1202127-07	009F0901.D	02/21/12 15:28
GW0470	1202127-09	010F1001.D	02/21/12 16:08
GW0470	2B20013-MS1	011F1101.D	02/21/12 16:47
GW0470	2B20013-MSD1	012F1201.D	02/21/12 17:27
Calibration Check	2B05411-CCV2	018F1801.D	02/21/12 21:22

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01	File ID:	007F0701.D
Sampled:	02/09/12 14:57	Prepared:	02/13/12 10:06	Analyzed:	02/13/12 15:31
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)	0.0517	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05668	113	50 - 150	

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03	File ID:	008F0801.D
Sampled:	02/09/12 15:01	Prepared:	02/13/12 10:06	Analyzed:	02/13/12 16:09
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	0.05769	115	50 - 150	

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05	File ID:	009F0901.D
Sampled:	02/10/12 13:00	Prepared:	02/13/12 10:06	Analyzed:	02/13/12 16:48
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	0.05473	109	50 - 150	

ANALYSIS DATA SHEET

GW0442

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07	File ID:	010F1001.D
Sampled:	02/10/12 09:26	Prepared:	02/13/12 10:06	Analyzed:	02/13/12 17:26
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	0.05663	113	50 - 150	

ANALYSIS DATA SHEET

GW0443

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09	File ID:	013F1301.D
Sampled:	02/10/12 09:26	Prepared:	02/13/12 10:06	Analyzed:	02/13/12 19:20
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	0.05587	112	50 - 150	

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11	File ID:	014F1401.D
Sampled:	02/10/12 11:47	Prepared:	02/13/12 10:06	Analyzed:	02/13/12 19:58
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	0.05686	114	50 - 150	

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01	File ID:	006F0601.D
Sampled:	02/13/12 11:48	Prepared:	02/15/12 10:59	Analyzed:	02/15/12 15:46
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B15013 Sequence: 2B04701 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	0.03547	70.9	50 - 150	

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03	File ID:	009F0901.D
Sampled:	02/13/12 10:10	Prepared:	02/15/12 10:59	Analyzed:	02/15/12 17:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B15013 Sequence: 2B04701 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	0.03454	69.1	50 - 150	

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05	File ID:	010F1001.D
Sampled:	02/13/12 13:13	Prepared:	02/15/12 10:59	Analyzed:	02/15/12 18:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B15013 Sequence: 2B04701 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	0.03960	79.2	50 - 150	

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:	Water	Laboratory ID:	1202099-01	File ID:	015F1501.D
Sampled:	02/13/12 14:12	Prepared:	02/17/12 09:30	Analyzed:	02/17/12 21:08
Solids:		Preparation:	8015GRO	Dilution:	1

Batch:	2B17010	Sequence:	2B05207	Calibration:	2052002	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	0.05370	107	50 - 150	

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03	File ID:	016F1601.D
Sampled:	02/13/12 15:33	Prepared:	02/17/12 09:30	Analyzed:	02/17/12 21:47
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 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	0.05359	107	50 - 150	

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01	File ID:	017F1701.D
Sampled:	02/15/12 10:31	Prepared:	02/17/12 09:30	Analyzed:	02/17/12 22:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 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	0.05818	116	50 - 150	

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03	File ID:	020F2001.D
Sampled:	02/15/12 12:53	Prepared:	02/17/12 09:30	Analyzed:	02/18/12 00:25
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 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	0.05930	119	50 - 150	

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05	File ID:	021F2101.D
Sampled:	02/15/12 12:53	Prepared:	02/17/12 09:30	Analyzed:	02/18/12 01:04
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 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	0.06070	121	50 - 150	

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07	File ID:	022F2201.D
Sampled:	02/15/12 12:33	Prepared:	02/17/12 09:30	Analyzed:	02/18/12 01:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 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	0.05938	119	50 - 150	

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09	File ID:	023F2301.D
Sampled:	02/14/12 15:22	Prepared:	02/17/12 09:30	Analyzed:	02/18/12 02:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 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	0.06022	120	50 - 150	

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11	File ID:	024F2401.D
Sampled:	02/14/12 14:56	Prepared:	02/17/12 09:30	Analyzed:	02/18/12 03:03
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 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	0.05909	118	50 - 150	

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01	File ID:	006F0601.D
Sampled:	02/15/12 15:58	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 13:15
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B20013 Sequence: 2B05411 Calibration: 2052002 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	0.06229	125	50 - 150	

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03	File ID:	007F0701.D
Sampled:	02/16/12 11:13	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 14:09
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B20013 Sequence: 2B05411 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	2.44	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06778	136	50 - 150	

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05	File ID:	008F0801.D
Sampled:	02/15/12 15:03	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 14:48
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B20013 Sequence: 2B05411 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.830	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06283	126	50 - 150	

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07	File ID:	009F0901.D
Sampled:	02/16/12 14:12	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 15:28
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B20013 Sequence: 2B05411 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.536	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06283	126	50 - 150	

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09	File ID:	010F1001.D
Sampled:	02/16/12 11:54	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 16:08
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B20013 Sequence: 2B05411 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.232	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05972	119	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15013	Laboratory ID:	2B15013-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	0.5397	108	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17010	Laboratory ID:	2B17010-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	0.4302	86.0	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B20013	Laboratory ID:	2B20013-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	0.4645	92.9	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0442

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13014

% Solids:

Source Sample Name: **1202084-07**

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	0.4876	97.5		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	0.4933	98.7	1.15		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0391

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B15013

% Solids:

Source Sample Name: **1202096-01**

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	0.5041	101		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	0.5415	108	7.14		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0431

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B17010

% Solids:

Source Sample Name: **1202116-01**

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	0.5314	106		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	0.4998	100	6.13		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B20013

% Solids:

Source Sample Name: **1202127-09**

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	0.2316	0.6718	88.0		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	0.6456	82.8	3.98		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/13/12 10:06	5.00	5.00
GW0415	1202084-03	02/13/12 10:06	5.00	5.00
GW0441	1202084-05	02/13/12 10:06	5.00	5.00
GW0442	1202084-07	02/13/12 10:06	5.00	5.00
GW0443	1202084-09	02/13/12 10:06	5.00	5.00
GW0480	1202084-11	02/13/12 10:06	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
GW0442	2B13014-MS1	02/13/12 10:06	5.00	5.00
GW0442	2B13014-MSD1	02/13/12 10:06	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B15013 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/15/12 10:59	5.00	5.00
GW0412	1202096-03	02/15/12 10:59	5.00	5.00
GW0414	1202096-05	02/15/12 10:59	5.00	5.00
Blank	2B15013-BLK1	02/15/12 10:59	5.00	5.00
LCS	2B15013-BS1	02/15/12 10:59	5.00	5.00
GW0391	2B15013-MS1	02/15/12 10:59	5.00	5.00
GW0391	2B15013-MSD1	02/15/12 10:59	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B17010 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0394	1202099-01	02/17/12 09:30	5.00	5.00
GW0413	1202099-03	02/17/12 09:30	5.00	5.00
GW0431	1202116-01	02/17/12 09:30	5.00	5.00
GW0432	1202116-03	02/17/12 09:30	5.00	5.00
GW0433	1202116-05	02/17/12 09:30	5.00	5.00
GW0447	1202116-07	02/17/12 09:30	5.00	5.00
GW0471	1202116-09	02/17/12 09:30	5.00	5.00
GW0481	1202116-11	02/17/12 09:30	5.00	5.00
Blank	2B17010-BLK1	02/17/12 09:30	5.00	5.00
LCS	2B17010-BS1	02/17/12 09:30	5.00	5.00
GW0431	2B17010-MS1	02/17/12 09:30	5.00	5.00
GW0431	2B17010-MSD1	02/17/12 09:30	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B20013 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0434	1202127-01	02/21/12 07:00	5.00	5.00
GW0445	1202127-03	02/21/12 07:00	5.00	5.00
GW0446	1202127-05	02/21/12 07:00	5.00	5.00
GW0469	1202127-07	02/21/12 07:00	5.00	5.00
GW0470	1202127-09	02/21/12 07:00	5.00	5.00
Blank	2B20013-BLK1	02/21/12 07:00	5.00	5.00
LCS	2B20013-BS1	02/21/12 07:00	5.00	5.00
GW0470	2B20013-MS1	02/21/12 07:00	5.00	5.00
GW0470	2B20013-MSD1	02/21/12 07:00	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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 STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05205	Instrument:	GL-GCVOA2
Calibration:	2052002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12B0553	GRO Cal 0.1ppm	2B05205-CAL1	005F0501.D	02/17/12 14:37
12B0554	GRO Cal 0.2ppm	2B05205-CAL2	006F0601.D	02/17/12 15:16
12B0557	GRO Cal 0.5ppm	2B05205-CAL3	007F0701.D	02/17/12 15:56
12B0558	GRO Cal 1.0ppm	2B05205-CAL4	008F0801.D	02/17/12 16:35
12B0555	GRO Cal 2.0ppm	2B05205-CAL5	009F0901.D	02/17/12 17:15
12B0556	GRO Cal 5.0ppm	2B05205-CAL6	010F1001.D	02/17/12 17:54

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044	
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_044	
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 DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2052002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	2/17/12_14:37	2/17/12_17:54

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	2071820	0.2	1578265	0.5	1558524	1	1562176	2	1488114	5	1340699
Bromofluorobenzene	0.01	1086100	0.02	939350	0.05	970000	0.1	965190	0.2	800440	0.5	938552

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2052002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	2/17/12 14:37	2/17/12 17:54

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1599933	15.46212	7.763	1.664893E-02			20	
Bromofluorobenzene	949938.7	9.621305	20.26917	3.127573E-02			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	011F1101.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05205	Injection Date:	02/17/12
Lab Sample ID:	2B05205-ICV1	Injection Time:	18:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4758	1599933	1522446		-4.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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:	2B04701	Injection Date:	02/15/12
Lab Sample ID:	2B04701-CCV1	Injection Time:	12:53

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5282	1342112	1417680		5.6	20
Bromofluorobenzene	A	0.05000	0.05250	929749.2	976320		5.0	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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2013003
Lab File ID:	011F1101.D	Calibration Date:	01/10/12 16:05
Sequence:	2B04701	Injection Date:	02/15/12
Lab Sample ID:	2B04701-CCV2	Injection Time:	19:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5631	1342112	1511442		12.6	20
Bromofluorobenzene	A	0.05000	0.05792	929749.2	1077100		15.8	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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	012F1201.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05207	Injection Date:	02/17/12
Lab Sample ID:	2B05207-CCV1	Injection Time:	19:12

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4303	1599933	1376898		-13.9	20
Bromofluorobenzene	A	0.05000	0.04404	949938.7	836780		-11.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	027F2701.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05207	Injection Date:	02/18/12
Lab Sample ID:	2B05207-CCV2	Injection Time:	05:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5041	1599933	1612986		0.8	20
Bromofluorobenzene	A	0.05000	0.04934	949938.7	937340		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	003F0301.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05411	Injection Date:	02/21/12
Lab Sample ID:	2B05411-CCV1	Injection Time:	10:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4919	1599933	1574132		-1.6	20
Bromofluorobenzene	A	0.05000	0.04812	949938.7	914200		-3.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	018F1801.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05411	Injection Date:	02/21/12
Lab Sample ID:	2B05411-CCV2	Injection Time:	21:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4054	1599933	1297146		-18.9	20
Bromofluorobenzene	A	0.05000	0.04548	949938.7	864000		-9.0	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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	
GW0407 (1202084-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/13/12 15:31		
Bromofluorobenzene	0.05000	113	50 - 150	20.27	20.253	0.0170	+/-0.210	
GW0415 (1202084-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/13/12 16:09		
Bromofluorobenzene	0.05000	115	50 - 150	20.27	20.253	0.0170	+/-0.210	
GW0441 (1202084-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/13/12 16:48		
Bromofluorobenzene	0.05000	109	50 - 150	20.273	20.253	0.0200	+/-0.210	
GW0442 (1202084-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/13/12 17:26		
Bromofluorobenzene	0.05000	113	50 - 150	20.273	20.253	0.0200	+/-0.210	
Matrix Spike (2B13014-MS1) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/13/12 18:04		
Bromofluorobenzene	0.05000	105	50 - 150	20.273	20.253	0.0200	+/-0.210	
Matrix Spike Dup (2B13014-MSD1) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/13/12 18:42		
Bromofluorobenzene	0.05000	101	50 - 150	20.276	20.253	0.0230	+/-0.210	
GW0443 (1202084-09) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/13/12 19:20		
Bromofluorobenzene	0.05000	112	50 - 150	20.276	20.253	0.0230	+/-0.210	
GW0480 (1202084-11) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/13/12 19:58		
Bromofluorobenzene	0.05000	114	50 - 150	20.28	20.253	0.0270	+/-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	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B04701	Instrument:	GL-GCVOA2
		Calibration:	2013003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B04701-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/15/12 12:53		
Bromofluorobenzene	0.05000	105	80 - 120	20.266	20.266	0.0000	+/-0.210	
LCS (2B15013-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/15/12 14:28		
Bromofluorobenzene	0.05000	110	50 - 150	20.263	20.266	-0.0030	+/-0.210	
Blank (2B15013-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/15/12 15:07		
Bromofluorobenzene	0.05000	124	50 - 150	20.266	20.266	0.0000	+/-0.210	
GW0391 (1202096-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/15/12 15:46		
Bromofluorobenzene	0.05000	70.9	50 - 150	20.266	20.266	0.0000	+/-0.210	
Matrix Spike (2B15013-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/15/12 16:26		
Bromofluorobenzene	0.05000	101	50 - 150	20.263	20.266	-0.0030	+/-0.210	
Matrix Spike Dup (2B15013-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/15/12 17:05		
Bromofluorobenzene	0.05000	114	50 - 150	20.27	20.266	0.0040	+/-0.210	
GW0412 (1202096-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/15/12 17:44		
Bromofluorobenzene	0.05000	69.1	50 - 150	20.273	20.266	0.0070	+/-0.210	
GW0414 (1202096-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/15/12 18:23		
Bromofluorobenzene	0.05000	79.2	50 - 150	20.276	20.266	0.0100	+/-0.210	
Calibration Check (2B04701-CCV2) ug/mL				Lab File ID: 011F1101.D		Analyzed: 02/15/12 19:02		
Bromofluorobenzene	0.05000	116	80 - 120	20.28	20.266	0.0140	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05207	Instrument:	GL-GCVOA2
		Calibration:	2052002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05207-CCV1) ug/mL				Lab File ID: 012F1201.D		Analyzed: 02/17/12 19:12		
Bromofluorobenzene	0.05000	88.1	80 - 120	20.28	20.28	0.0000	+/-0.210	
LCS (2B17010-BS1) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/17/12 19:51		
Bromofluorobenzene	0.05000	82.6	50 - 150	20.283	20.28	0.0030	+/-0.210	
Blank (2B17010-BLK1) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/17/12 20:29		
Bromofluorobenzene	0.05000	107	50 - 150	20.283	20.28	0.0030	+/-0.210	
GW0394 (1202099-01) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/17/12 21:08		
Bromofluorobenzene	0.05000	107	50 - 150	20.286	20.28	0.0060	+/-0.210	
GW0413 (1202099-03) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/17/12 21:47		
Bromofluorobenzene	0.05000	107	50 - 150	20.286	20.28	0.0060	+/-0.210	
GW0431 (1202116-01) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/17/12 22:26		
Bromofluorobenzene	0.05000	116	50 - 150	20.28	20.28	0.0000	+/-0.210	
Matrix Spike (2B17010-MS1) mg/L				Lab File ID: 018F1801.D		Analyzed: 02/17/12 23:06		
Bromofluorobenzene	0.05000	115	50 - 150	20.273	20.28	-0.0070	+/-0.210	
Matrix Spike Dup (2B17010-MSD1) mg/L				Lab File ID: 019F1901.D		Analyzed: 02/17/12 23:45		
Bromofluorobenzene	0.05000	105	50 - 150	20.273	20.28	-0.0070	+/-0.210	
GW0432 (1202116-03) mg/L				Lab File ID: 020F2001.D		Analyzed: 02/18/12 00:25		
Bromofluorobenzene	0.05000	119	50 - 150	20.273	20.28	-0.0070	+/-0.210	
GW0433 (1202116-05) mg/L				Lab File ID: 021F2101.D		Analyzed: 02/18/12 01:04		
Bromofluorobenzene	0.05000	121	50 - 150	20.273	20.28	-0.0070	+/-0.210	
GW0447 (1202116-07) mg/L				Lab File ID: 022F2201.D		Analyzed: 02/18/12 01:44		
Bromofluorobenzene	0.05000	119	50 - 150	20.273	20.28	-0.0070	+/-0.210	
GW0471 (1202116-09) mg/L				Lab File ID: 023F2301.D		Analyzed: 02/18/12 02:23		
Bromofluorobenzene	0.05000	120	50 - 150	20.273	20.28	-0.0070	+/-0.210	
GW0481 (1202116-11) mg/L				Lab File ID: 024F2401.D		Analyzed: 02/18/12 03:03		
Bromofluorobenzene	0.05000	118	50 - 150	20.273	20.28	-0.0070	+/-0.210	
Calibration Check (2B05207-CCV2) ug/mL				Lab File ID: 027F2701.D		Analyzed: 02/18/12 05:01		
Bromofluorobenzene	0.05000	98.7	80 - 120	20.273	20.28	-0.0070	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05411	Instrument:	GL-GCVOA2
		Calibration:	2052002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05411-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/21/12 10:42		
Bromofluorobenzene	0.05000	96.2	80 - 120	20.266	20.266	0.0000	+/-0.210	
LCS (2B20013-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/21/12 11:55		
Bromofluorobenzene	0.05000	96.8	50 - 150	20.266	20.266	0.0000	+/-0.210	
Blank (2B20013-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/21/12 12:35		
Bromofluorobenzene	0.05000	100	50 - 150	20.27	20.266	0.0040	+/-0.210	
GW0434 (1202127-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/21/12 13:15		
Bromofluorobenzene	0.05000	125	50 - 150	20.266	20.266	0.0000	+/-0.210	
GW0445 (1202127-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/21/12 14:09		
Bromofluorobenzene	0.05000	136	50 - 150	20.263	20.266	-0.0030	+/-0.210	
GW0446 (1202127-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/21/12 14:48		
Bromofluorobenzene	0.05000	126	50 - 150	20.273	20.266	0.0070	+/-0.210	
GW0469 (1202127-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/21/12 15:28		
Bromofluorobenzene	0.05000	126	50 - 150	20.273	20.266	0.0070	+/-0.210	
GW0470 (1202127-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/21/12 16:08		
Bromofluorobenzene	0.05000	119	50 - 150	20.273	20.266	0.0070	+/-0.210	
Matrix Spike (2B20013-MS1) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/21/12 16:47		
Bromofluorobenzene	0.05000	69.9	50 - 150	20.273	20.266	0.0070	+/-0.210	
Matrix Spike Dup (2B20013-MSD1) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/21/12 17:27		
Bromofluorobenzene	0.05000	66.6	50 - 150	20.276	20.266	0.0100	+/-0.210	
Calibration Check (2B05411-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 02/21/12 21:22		
Bromofluorobenzene	0.05000	91.0	80 - 120	20.286	20.266	0.0200	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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
GW0407	02/09/12 14:57	02/13/12 08:00	02/13/12 10:06	N/A	14.00	02/13/12 15:31	3.98	14.00	
GW0415	02/09/12 15:01	02/13/12 08:00	02/13/12 10:06	N/A	14.00	02/13/12 16:09	4.01	14.00	
GW0441	02/10/12 13:00	02/13/12 08:00	02/13/12 10:06	N/A	14.00	02/13/12 16:48	3.12	14.00	
GW0442	02/10/12 09:26	02/13/12 08:00	02/13/12 10:06	N/A	14.00	02/13/12 17:26	3.29	14.00	
GW0443	02/10/12 09:26	02/13/12 08:00	02/13/12 10:06	N/A	14.00	02/13/12 19:20	3.37	14.00	
GW0480	02/10/12 11:47	02/13/12 08:00	02/13/12 10:06	N/A	14.00	02/13/12 19:58	3.30	14.00	
GW0391	02/13/12 11:48	02/14/12 09:30	02/15/12 10:59	N/A	14.00	02/15/12 15:46	2.12	14.00	
GW0412	02/13/12 10:10	02/14/12 09:30	02/15/12 10:59	N/A	14.00	02/15/12 17:44	2.27	14.00	
GW0414	02/13/12 13:13	02/14/12 09:30	02/15/12 10:59	N/A	14.00	02/15/12 18:23	2.17	14.00	
GW0394	02/13/12 14:12	02/15/12 08:30	02/17/12 09:30	N/A	14.00	02/17/12 21:08	4.25	14.00	
GW0413	02/13/12 15:33	02/15/12 08:30	02/17/12 09:30	N/A	14.00	02/17/12 21:47	4.22	14.00	
GW0431	02/15/12 10:31	02/16/12 08:20	02/17/12 09:30	N/A	14.00	02/17/12 22:26	2.45	14.00	
GW0432	02/15/12 12:53	02/16/12 08:20	02/17/12 09:30	N/A	14.00	02/18/12 00:25	2.44	14.00	
GW0433	02/15/12 12:53	02/16/12 08:20	02/17/12 09:30	N/A	14.00	02/18/12 01:04	2.47	14.00	
GW0447	02/15/12 12:33	02/16/12 08:20	02/17/12 09:30	N/A	14.00	02/18/12 01:44	2.51	14.00	
GW0471	02/14/12 15:22	02/16/12 08:20	02/17/12 09:30	N/A	14.00	02/18/12 02:23	3.42	14.00	
GW0481	02/14/12 14:56	02/16/12 08:20	02/17/12 09:30	N/A	14.00	02/18/12 03:03	3.46	14.00	
GW0434	02/15/12 15:58	02/17/12 08:30	02/21/12 07:00	N/A	14.00	02/21/12 13:15	5.85	14.00	
GW0445	02/16/12 11:13	02/17/12 08:30	02/21/12 07:00	N/A	14.00	02/21/12 14:09	5.08	14.00	
GW0446	02/15/12 15:03	02/17/12 08:30	02/21/12 07:00	N/A	14.00	02/21/12 14:48	5.95	14.00	
GW0469	02/16/12 14:12	02/17/12 08:30	02/21/12 07:00	N/A	14.00	02/21/12 15:28	5.01	14.00	
GW0470	02/16/12 11:54	02/17/12 08:30	02/21/12 07:00	N/A	14.00	02/21/12 16:08	5.13	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
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_044
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	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B13014-MS1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	02/13/12 18:04
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)	0.4876	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05257	105	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B13014-MSD1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	02/13/12 18:42
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)	0.4933	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05055	101	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B15013-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/15/12 15:07
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B15013	Sequence:	2B04701	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	0.06211	124	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B15013-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/15/12 14:28
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B15013	Sequence:	2B04701	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5397	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05485	110	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B15013-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/15/12 16:26
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B15013 Sequence: 2B04701 Calibration: 2013003 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5041	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05030	101	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B15013-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/15/12 17:05
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B15013	Sequence:	2B04701	Calibration:	2013003	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5415	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05709	114	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B17010-BLK1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	02/17/12 20:29
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B17010	Sequence:	2B05207	Calibration:	2052002	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	0.05374	107	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B17010-BS1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	02/17/12 19:51
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B17010	Sequence:	2B05207	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4302	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04129	82.6	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B17010-MS1	File ID:	018F1801.D
Sampled:		Prepared:		Analyzed:	02/17/12 23:06
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5314	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05753	115	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B17010-MSD1	File ID:	019F1901.D
Sampled:		Prepared:		Analyzed:	02/17/12 23:45
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B17010 Sequence: 2B05207 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4998	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05273	105	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B20013-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/21/12 12:35
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B20013	Sequence:	2B05411	Calibration:	2052002	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	0.05016	100	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B20013-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/21/12 11:55
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B20013	Sequence:	2B05411	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4645	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04841	96.8	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B20013-MS1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	02/21/12 16:47
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B20013	Sequence:	2B05411	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.6718	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03497	69.9	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B20013-MSD1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	02/21/12 17:27
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B20013	Sequence:	2B05411	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.6456	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03332	66.6	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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
GW0407	1202084-01	011R0101.D	02/17/12 14:45
GW0415	1202084-03	012F0101.D	02/17/12 15:06
GW0441	1202084-05	013R0101.D	02/17/12 15:27
GW0442	1202084-07	014R0101.D	02/17/12 15:48
GW0443	1202084-09	015R0101.D	02/17/12 16:09
Calibration Check	2B05104-CCV2	016R0101.D	02/17/12 16:30
Calibration Check	2B05104-CCV2	016F0101.D	02/17/12 16:30
GW0480	1202084-11	017F0101.D	02/17/12 16:51
GW0480	1202084-11	017R0101.D	02/17/12 16:51
Blank	2B15018-BLK1	018R0101.D	02/17/12 17:12
LCS	2B15018-BS1	019R0101.D	02/17/12 17:33
LCS	2B15018-BS1	019F0101.D	02/17/12 17:33
LCS Dup	2B15018-BSD1	020R0101.D	02/17/12 17:54
LCS Dup	2B15018-BSD1	020F0101.D	02/17/12 17:54
GW0391	1202096-01	021F0101.D	02/17/12 18:15
GW0412	1202096-03	022F0101.D	02/17/12 18:36
GW0412	1202096-03	022R0101.D	02/17/12 18:36
GW0414	1202096-05	023F0101.D	02/17/12 18:58
GW0414	1202096-05	023R0101.D	02/17/12 18:58
GW0394	1202099-01	024R0101.D	02/17/12 19:19
GW0413	1202099-03	025F0101.D	02/17/12 19:41
GW0413	1202099-03	025R0101.D	02/17/12 19:41
Blank	2B16019-BLK1	026F0101.D	02/17/12 20:02
LCS	2B16019-BS1	027F0101.D	02/17/12 20:23
LCS	2B16019-BS1	027R0101.D	02/17/12 20:23

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
LCS Dup	2B16019-BSD1	028R0101.D	02/17/12 20:45
LCS Dup	2B16019-BSD1	028F0101.D	02/17/12 20:45
Calibration Check	2B05104-CCV3	029R0101.D	02/17/12 21:06
Calibration Check	2B05104-CCV3	029F0101.D	02/17/12 21:06
GW0432	1202116-03	030F0101.D	02/17/12 21:27
GW0433	1202116-05	031R0101.D	02/17/12 21:49
GW0447	1202116-07	032R0101.D	02/17/12 22:10
GW0431	1202116-01	033R0101.D	02/17/12 22:31
GW0471	1202116-09	034R0101.D	02/17/12 22:52
GW0481	1202116-11	035R0101.D	02/17/12 23:13
Calibration Check	2B05104-CCV4	036F0101.D	02/17/12 23:34
Calibration Check	2B05104-CCV4	036R0101.D	02/17/12 23:34

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05806	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05806-CCV1	002R0101.D	02/23/12 10:45
Calibration Check	2B05806-CCV1	002F0101.D	02/23/12 10:45
Blank	2B22017-BLK1	003R0101.D	02/23/12 11:06
LCS	2B22017-BS1	004R0101.D	02/23/12 11:28
LCS	2B22017-BS1	004F0101.D	02/23/12 11:28
GW0434	1202127-01	005F0101.D	02/23/12 11:50
GW0446	1202127-05	007R0101.D	02/23/12 12:33
GW0446	1202127-05	007F0101.D	02/23/12 12:33
GW0469	1202127-07	008R0101.D	02/23/12 12:55
GW0469	1202127-07	008F0101.D	02/23/12 12:55
GW0470	1202127-09	009F0101.D	02/23/12 13:17
GW0470	1202127-09	009R0101.D	02/23/12 13:17
GW0470	2B22017-MS1	010F0101.D	02/23/12 13:39
GW0470	2B22017-MS1	010R0101.D	02/23/12 13:39
GW0470	2B22017-MSD1	011R0101.D	02/23/12 14:01
GW0470	2B22017-MSD1	011F0101.D	02/23/12 14:01
Calibration Check	2B05806-CCV2	017R0101.D	02/23/12 16:10
Calibration Check	2B05806-CCV2	017F0101.D	02/23/12 16:10

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06040	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B06040-CCV2	007R0101.D	02/28/12 13:25
Calibration Check	2B06040-CCV2	007F0101.D	02/28/12 13:25
GW0445	1202127-03RE3	009R0101.D	02/28/12 15:24
GW0445	1202127-03RE3	009F0101.D	02/28/12 15:24
Calibration Check	2B06040-CCV3	011R0101.D	02/28/12 16:07
Calibration Check	2B06040-CCV3	011F0101.D	02/28/12 16:07

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01	File ID:	011R0101.D
Sampled:	02/09/12 14:57	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 14:45
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		0.00951	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03	File ID:	012F0101.D
Sampled:	02/09/12 15:01	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 15:06
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		0.00943	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05	File ID:	013R0101.D
Sampled:	02/10/12 13:00	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 15:27
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

GW0442

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07	File ID:	014R0101.D
Sampled:	02/10/12 09:26	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 15:48
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

GW0443

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09	File ID:	015R0101.D
Sampled:	02/10/12 09:26	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 16:09
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		0.00940	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11	File ID:	017R0101.D
Sampled:	02/10/12 11:47	Prepared:	02/13/12 12:27	Analyzed:	02/17/12 16:51
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]	0.0162	0.00937	0.0187	0.0281	J

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01	File ID:	021F0101.D
Sampled:	02/13/12 11:48	Prepared:	02/15/12 13:28	Analyzed:	02/17/12 18:15
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B15018 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00936	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03	File ID:	022R0101.D
Sampled:	02/13/12 10:10	Prepared:	02/15/12 13:28	Analyzed:	02/17/12 18:36
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B15018 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.620	0.00944	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05	File ID:	023R0101.D
Sampled:	02/13/12 13:13	Prepared:	02/15/12 13:28	Analyzed:	02/17/12 18:58
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B15018 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.182	0.00934	0.0187	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01	File ID:	024R0101.D
Sampled:	02/13/12 14:12	Prepared:	02/15/12 13:28	Analyzed:	02/17/12 19:19
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B15018 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00935	0.0187	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03	File ID:	025R0101.D
Sampled:	02/13/12 15:33	Prepared:	02/15/12 13:28	Analyzed:	02/17/12 19:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B15018 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.411	0.00947	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01	File ID:	033R0101.D
Sampled:	02/15/12 10:31	Prepared:	02/16/12 12:25	Analyzed:	02/17/12 22:31
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B16019 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00930	0.0186	0.0279	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03	File ID:	030F0101.D
Sampled:	02/15/12 12:53	Prepared:	02/16/12 12:25	Analyzed:	02/17/12 21:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B16019 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00937	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05	File ID:	031R0101.D
Sampled:	02/15/12 12:53	Prepared:	02/16/12 12:25	Analyzed:	02/17/12 21:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B16019 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

GW0447

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07	File ID:	032R0101.D
Sampled:	02/15/12 12:33	Prepared:	02/16/12 12:25	Analyzed:	02/17/12 22:10
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B16019 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

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

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09	File ID:	034R0101.D
Sampled:	02/14/12 15:22	Prepared:	02/16/12 12:25	Analyzed:	02/17/12 22:52
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B16019 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

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

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11	File ID:	035R0101.D
Sampled:	02/14/12 14:56	Prepared:	02/16/12 12:25	Analyzed:	02/17/12 23:13
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B16019 Sequence: 2B05104 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00953	0.0191	0.0286	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01	File ID:	005F0101.D
Sampled:	02/15/12 15:58	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 11:50
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B22017 Sequence: 2B05806 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	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03RE3	File ID:	009R0101.D
Sampled:	02/16/12 11:13	Prepared:	02/23/12 07:00	Analyzed:	02/28/12 15:24
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2B22017 Sequence: 2B06040 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	2.50	0.0474	0.0949	0.142	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05	File ID:	007R0101.D
Sampled:	02/15/12 15:03	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 12:33
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B22017 Sequence: 2B05806 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.154	0.00939	0.0188	0.0282	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07	File ID:	008R0101.D
Sampled:	02/16/12 14:12	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 12:55
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B22017 Sequence: 2B05806 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0668	0.00944	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09	File ID:	009R0101.D
Sampled:	02/16/12 11:54	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 13:17
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B22017 Sequence: 2B05806 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.713	0.00943	0.0189	0.0283	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B15018	Laboratory ID:	2B15018-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	0.4902	98.0	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5608	112	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	0.4778	95.6	2.56	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5510	110	1.76	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B16019	Laboratory ID:	2B16019-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	0.4663	93.3	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5186	104	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	0.4706	94.1	0.933	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5443	109	4.85	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B22017	Laboratory ID:	2B22017-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	0.5819	116	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.6051	121	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B22017

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4698	0.6565	1.174	110		70 - 130
1,2-Dibromoethane [2C]	0.4698	0.7127	1.112	85.0		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4699	1.216	119	3.47		20	70 - 130
1,2-Dibromoethane [2C]	0.4699	1.174	98.1	5.38		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/13/12 12:27	36.79	35.00
GW0415	1202084-03	02/13/12 12:27	37.10	35.00
GW0441	1202084-05	02/13/12 12:27	37.02	35.00
GW0442	1202084-07	02/13/12 12:27	37.03	35.00
GW0443	1202084-09	02/13/12 12:27	37.23	35.00
GW0480	1202084-11	02/13/12 12:27	37.34	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

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B15018 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/15/12 13:28	37.38	35.00
GW0412	1202096-03	02/15/12 13:28	37.09	35.00
GW0414	1202096-05	02/15/12 13:28	37.47	35.00
GW0394	1202099-01	02/15/12 13:28	37.44	35.00
GW0413	1202099-03	02/15/12 13:28	36.95	35.00
Blank	2B15018-BLK1	02/15/12 13:28	35.00	35.00
LCS	2B15018-BS1	02/15/12 13:28	35.00	35.00
LCS Dup	2B15018-BSD1	02/15/12 13:28	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B16019 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0431	1202116-01	02/16/12 12:25	37.63	35.00
GW0432	1202116-03	02/16/12 12:25	37.35	35.00
GW0433	1202116-05	02/16/12 12:25	37.14	35.00
GW0447	1202116-07	02/16/12 12:25	37.76	35.00
GW0471	1202116-09	02/16/12 12:25	37.77	35.00
GW0481	1202116-11	02/16/12 12:25	36.74	35.00
Blank	2B16019-BLK1	02/16/12 12:25	35.00	35.00
LCS	2B16019-BS1	02/16/12 12:25	35.00	35.00
LCS Dup	2B16019-BSD1	02/16/12 12:25	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B22017 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0434	1202127-01	02/23/12 07:00	37.04	35.00
GW0445	1202127-03RE3	02/23/12 07:00	36.90	35.00
GW0446	1202127-05	02/23/12 07:00	37.26	35.00
GW0469	1202127-07	02/23/12 07:00	37.06	35.00
GW0470	1202127-09	02/23/12 07:00	37.12	35.00
Blank	2B22017-BLK1	02/23/12 07:00	35.00	35.00
LCS	2B22017-BS1	02/23/12 07:00	35.00	35.00
GW0470	2B22017-MS1	02/23/12 07:00	37.25	35.00
GW0470	2B22017-MSD1	02/23/12 07:00	37.24	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
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

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B15018-BLK1	File ID:	018R0101.D
Sampled:		Prepared:	02/15/12 13:28	Analyzed:	02/17/12 17:12
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B15018 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

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B16019-BLK1	File ID:	026F0101.D
Sampled:		Prepared:	02/16/12 12:25	Analyzed:	02/17/12 20:02
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B16019 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

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_044
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B22017-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	02/23/12 07:00	Analyzed:	02/23/12 11:06
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B22017 Sequence: 2B05806 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_044
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_044	
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_044
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_044	
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_044
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_044
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_044
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

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	029F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B05104	Injection Date:	02/17/12
Lab Sample ID:	2B05104-CCV3	Injection Time:	21:06

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4578	108358.4	41824		-8.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5270	39065.98	32882		5.4	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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	036F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B05104	Injection Date:	02/17/12
Lab Sample ID:	2B05104-CCV4	Injection Time:	23:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4470	108358.4	41158		-10.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.5143	39065.98	32130		2.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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:	2B05806	Injection Date:	02/23/12
Lab Sample ID:	2B05806-CCV1	Injection Time:	10:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5409	108358.4	46844		8.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.5214	39065.98	32546		4.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	017F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B05806	Injection Date:	02/23/12
Lab Sample ID:	2B05806-CCV2	Injection Time:	16:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4817	108358.4	43288		-3.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.5060	39065.98	31638		1.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	007F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B06040	Injection Date:	02/28/12
Lab Sample ID:	2B06040-CCV2	Injection Time:	13:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4737	108358.4	42798		-5.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5225	39065.98	32616		4.5	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_044
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:	2B06040	Injection Date:	02/28/12
Lab Sample ID:	2B06040-CCV3	Injection Time:	16:07

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4598	108358.4	41948		-8.0	20
1,2-Dibromoethane [2C]	L	0.5000	0.5071	39065.98	31702		1.4	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_044

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
GW0407	02/09/12 14:57	02/13/12 08:00	02/13/12 12:27	N/A	14.00	02/17/12 14:45	7.95	14.00	
GW0415	02/09/12 15:01	02/13/12 08:00	02/13/12 12:27	N/A	14.00	02/17/12 15:06	7.96	14.00	
GW0441	02/10/12 13:00	02/13/12 08:00	02/13/12 12:27	N/A	14.00	02/17/12 15:27	7.06	14.00	
GW0442	02/10/12 09:26	02/13/12 08:00	02/13/12 12:27	N/A	14.00	02/17/12 15:48	7.22	14.00	
GW0443	02/10/12 09:26	02/13/12 08:00	02/13/12 12:27	N/A	14.00	02/17/12 16:09	7.24	14.00	
GW0480	02/10/12 11:47	02/13/12 08:00	02/13/12 12:27	N/A	14.00	02/17/12 16:51	7.17	14.00	
GW0391	02/13/12 11:48	02/14/12 09:30	02/15/12 13:28	N/A	14.00	02/17/12 18:15	4.23	14.00	
GW0412	02/13/12 10:10	02/14/12 09:30	02/15/12 13:28	N/A	14.00	02/17/12 18:36	4.31	14.00	
GW0414	02/13/12 13:13	02/14/12 09:30	02/15/12 13:28	N/A	14.00	02/17/12 18:58	4.20	14.00	
GW0394	02/13/12 14:12	02/15/12 08:30	02/15/12 13:28	N/A	14.00	02/17/12 19:19	4.17	14.00	
GW0413	02/13/12 15:33	02/15/12 08:30	02/15/12 13:28	N/A	14.00	02/17/12 19:41	4.13	14.00	
GW0431	02/15/12 10:31	02/16/12 08:20	02/16/12 12:25	N/A	14.00	02/17/12 22:31	2.46	14.00	
GW0432	02/15/12 12:53	02/16/12 08:20	02/16/12 12:25	N/A	14.00	02/17/12 21:27	2.32	14.00	
GW0433	02/15/12 12:53	02/16/12 08:20	02/16/12 12:25	N/A	14.00	02/17/12 21:49	2.33	14.00	
GW0447	02/15/12 12:33	02/16/12 08:20	02/16/12 12:25	N/A	14.00	02/17/12 22:10	2.36	14.00	
GW0471	02/14/12 15:22	02/16/12 08:20	02/16/12 12:25	N/A	14.00	02/17/12 22:52	3.27	14.00	
GW0481	02/14/12 14:56	02/16/12 08:20	02/16/12 12:25	N/A	14.00	02/17/12 23:13	3.30	14.00	
GW0434	02/15/12 15:58	02/17/12 08:30	02/23/12 07:00	N/A	14.00	02/23/12 11:50	7.79	14.00	
GW0445	02/16/12 11:13	02/17/12 08:30	02/23/12 07:00	N/A	14.00	02/28/12 15:24	12.13	14.00	
GW0446	02/15/12 15:03	02/17/12 08:30	02/23/12 07:00	N/A	14.00	02/23/12 12:33	7.85	14.00	
GW0469	02/16/12 14:12	02/17/12 08:30	02/23/12 07:00	N/A	14.00	02/23/12 12:55	6.90	14.00	
GW0470	02/16/12 11:54	02/17/12 08:30	02/23/12 07:00	N/A	14.00	02/23/12 13:17	7.02	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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_044
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	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B15018-BS1	File ID:	019F0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 17:33
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B15018	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4902	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B15018-BS1	File ID:	019R0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 17:33
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B15018	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5608	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B15018-BSD1	File ID:	020F0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 17:54
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B15018	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4778	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B15018-BSD1	File ID:	020R0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 17:54
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B15018	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5510	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B16019-BS1	File ID:	027F0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 20:23
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B16019	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4663	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B16019-BS1	File ID:	027R0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 20:23
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B16019	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5186	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B16019-BSD1	File ID:	028F0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 20:45
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B16019	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4706	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B16019-BSD1	File ID:	028R0101.D
Sampled:		Prepared:		Analyzed:	02/17/12 20:45
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B16019	Sequence:	2B05104	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5443	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22017-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	02/23/12 11:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B22017	Sequence:	2B05806	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5819	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22017-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	02/23/12 11:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B22017	Sequence:	2B05806	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.6051	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22017-MS1	File ID:	010F0101.D
Sampled:		Prepared:		Analyzed:	02/23/12 13:39
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B22017	Sequence:	2B05806	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.174	0.00940	0.0188	0.0282	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22017-MS1	File ID:	010R0101.D
Sampled:		Prepared:		Analyzed:	02/23/12 13:39
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B22017	Sequence:	2B05806	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	1.112	0.00940	0.0188	0.0282	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22017-MSD1	File ID:	011F0101.D
Sampled:		Prepared:		Analyzed:	02/23/12 14:01
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B22017	Sequence:	2B05806	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.216	0.00940	0.0188	0.0282	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22017-MSD1	File ID:	011R0101.D
Sampled:		Prepared:		Analyzed:	02/23/12 14:01
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B22017	Sequence:	2B05806	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	1.174	0.00940	0.0188	0.0282	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0480

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202084-11

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	2.40	2.38	2.44	0.0160	
	2	2.28	2.25	2.31	0.0162	1

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

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0412

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202096-03 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	2.42	2.38	2.44	0.597	
	2	2.28	2.25	2.31	0.620	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0414

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202096-05 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	0.150	
	2	2.29	2.25	2.31	0.182	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0413

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202099-03

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	2.42	2.38	2.44	0.350	
	2	2.29	2.25	2.31	0.411	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B15018-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	0.4902	
	2	2.29	2.25	2.31	0.5608	13

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B15018-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	0.4778	
	2	2.28	2.25	2.31	0.5510	14

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B16019-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	2.42	2.38	2.44	0.4663	
	2	2.29	2.25	2.31	0.5186	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B16019-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	2.42	2.38	2.44	0.4706	
	2	2.29	2.25	2.31	0.5443	15

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0445

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202127-03RE3

Date(s) Analyzed: 02/28/2012 02/28/2012

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	2.08	
	2	2.28	2.25	2.31	2.50	19

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0446

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202127-05 Date(s) Analyzed: 02/23/2012 02/23/2012

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	0.142	
	2	2.28	2.25	2.31	0.154	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0469

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202127-07 Date(s) Analyzed: 02/23/2012 02/23/2012

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	0.0593	
	2	2.28	2.25	2.31	0.0668	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0470

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202127-09 Date(s) Analyzed: 02/23/2012 02/23/2012

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	0.657	
	2	2.28	2.25	2.31	0.713	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B22017-BS1 Date(s) Analyzed: 02/23/2012 02/23/2012

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	0.5819	
	2	2.28	2.25	2.31	0.6051	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B22017-MS1

Date(s) Analyzed: 02/23/2012 02/23/2012

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	1.174	
	2	2.28	2.25	2.31	1.112	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B22017-MSD1

Date(s) Analyzed: 02/23/2012 02/23/2012

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	2.40	2.38	2.44	1.216	
	2	2.27	2.25	2.31	1.174	4

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01
Sampled:	02/09/12 14:57	Received:	02/13/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	70600	1000	2000	5000	1		SW6010B	2B23006	02/24/12 13:47
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 13:47
7439-95-4	Magnesium	9330	1000	3000	5000	1		SW6010B	2B23006	02/24/12 13:47
7440-09-7	Potassium	3020	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 13:47
7440-23-5	Sodium	27600	1000	3000	5000	1		SW6010B	2B23006	02/24/12 13:47

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-02
Sampled:	02/09/12 14:57	Received:	02/13/12 08:00
% 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	2B21027	02/22/12 17:14
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 17:14

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03
Sampled:	02/09/12 15:01	Received:	02/13/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41000	1000	2000	5000	1		SW6010B	2B23006	02/24/12 13:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 13:51
7439-95-4	Magnesium	5430	1000	3000	5000	1		SW6010B	2B23006	02/24/12 13:51
7440-09-7	Potassium	2380	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 13:51
7440-23-5	Sodium	24800	1000	3000	5000	1		SW6010B	2B23006	02/24/12 13:51

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-04
Sampled:	02/09/12 15:01	Received:	02/13/12 08:00
% 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	2B21027	02/22/12 17:19
7439-96-5	Manganese (dissolved)	11.0	3.00	6.00	15.0	1	J	SW6010B	2B21027	02/22/12 17:19

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05
Sampled:	02/10/12 13:00	Received:	02/13/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36200	1000	2000	5000	1		SW6010B	2B23006	02/24/12 13:56
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B23006	02/24/12 13:56
7439-95-4	Magnesium	4780	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 13:56
7440-09-7	Potassium	2050	1000	3000	5000	1	J	SW6010B	2B23006	02/24/12 13:56
7440-23-5	Sodium	21800	1000	3000	5000	1		SW6010B	2B23006	02/24/12 13:56

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-06
Sampled:	02/10/12 13:00	Received:	02/13/12 08:00
% 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	2B21027	02/22/12 17:23
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 17:23

ANALYSIS DATA SHEET

GW0442

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07
Sampled:	02/10/12 09:26	Received:	02/13/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47200	1000	2000	5000	1		SW6010B	2B27007	02/29/12 11:08
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27007	02/29/12 11:08
7439-95-4	Magnesium	6270	1000	3000	5000	1		SW6010B	2B27007	02/29/12 11:08
7440-09-7	Potassium	2360	1000	3000	5000	1	J	SW6010B	2B27007	02/29/12 11:08
7440-23-5	Sodium	25600	1000	3000	5000	1		SW6010B	2B27007	02/29/12 11:08

ANALYSIS DATA SHEET

GW0442

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-08
Sampled:	02/10/12 09:26	Received:	02/13/12 08:00
% 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	2B21027	02/22/12 17:28
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 17:28

ANALYSIS DATA SHEET

GW0443

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09
Sampled:	02/10/12 09:26	Received:	02/13/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47300	1000	2000	5000	1		SW6010B	2B27007	02/29/12 11:12
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27007	02/29/12 11:12
7439-95-4	Magnesium	6280	1000	3000	5000	1		SW6010B	2B27007	02/29/12 11:12
7440-09-7	Potassium	2350	1000	3000	5000	1	J	SW6010B	2B27007	02/29/12 11:12
7440-23-5	Sodium	25700	1000	3000	5000	1		SW6010B	2B27007	02/29/12 11:12

ANALYSIS DATA SHEET

GW0443

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-10
Sampled:	02/10/12 09:26	Received:	02/13/12 08:00
% 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	2B21027	02/22/12 17:32
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 17:32

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11
Sampled:	02/10/12 11:47	Received:	02/13/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41100	1000	2000	5000	1		SW6010B	2B27007	02/29/12 11:17
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27007	02/29/12 11:17
7439-95-4	Magnesium	5530	1000	3000	5000	1		SW6010B	2B27007	02/29/12 11:17
7440-09-7	Potassium	2390	1000	3000	5000	1	J	SW6010B	2B27007	02/29/12 11:17
7440-23-5	Sodium	22800	1000	3000	5000	1		SW6010B	2B27007	02/29/12 11:17

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-12
Sampled:	02/10/12 11:47	Received:	02/13/12 08:00
% 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	2B21027	02/22/12 17:37
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B21027	02/22/12 17:37

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01
Sampled:	02/13/12 11:48	Received:	02/14/12 09:30
% 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	2B27008	02/29/12 14:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27008	02/29/12 14:39
7439-95-4	Magnesium	5090	1000	3000	5000	1		SW6010B	2B27008	02/29/12 14:39
7440-09-7	Potassium	2170	1000	3000	5000	1	J	SW6010B	2B27008	02/29/12 14:39
7440-23-5	Sodium	23900	1000	3000	5000	1		SW6010B	2B27008	02/29/12 14:39

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-02
Sampled:	02/13/12 11:48	Received:	02/14/12 09:30
% 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	2B27008	02/29/12 14:44
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B27008	02/29/12 14:44

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03
Sampled:	02/13/12 10:10	Received:	02/14/12 09:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58300	1000	2000	5000	1		SW6010B	2B27008	02/29/12 14:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27008	02/29/12 14:48
7439-95-4	Magnesium	7620	1000	3000	5000	1		SW6010B	2B27008	02/29/12 14:48
7440-09-7	Potassium	2550	1000	3000	5000	1	J	SW6010B	2B27008	02/29/12 14:48
7440-23-5	Sodium	30300	1000	3000	5000	1		SW6010B	2B27008	02/29/12 14:48

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-04
Sampled:	02/13/12 10:10	Received:	02/14/12 09:30
% 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	2B27008	02/29/12 14:53
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B27008	02/29/12 14:53

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05
Sampled:	02/13/12 13:13	Received:	02/14/12 09:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42300	1000	2000	5000	1		SW6010B	2B27008	02/29/12 14:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27008	02/29/12 14:57
7439-95-4	Magnesium	5560	1000	3000	5000	1		SW6010B	2B27008	02/29/12 14:57
7440-09-7	Potassium	2260	1000	3000	5000	1	J	SW6010B	2B27008	02/29/12 14:57
7440-23-5	Sodium	25100	1000	3000	5000	1		SW6010B	2B27008	02/29/12 14:57

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-06
Sampled:	02/13/12 13:13	Received:	02/14/12 09:30
% 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	2B27008	02/29/12 15:02
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B27008	02/29/12 15:02

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01
Sampled:	02/13/12 14:12	Received:	02/15/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	43700	1000	2000	5000	1		SW6010B	2B27008	02/29/12 15:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27008	02/29/12 15:06
7439-95-4	Magnesium	5330	1000	3000	5000	1		SW6010B	2B27008	02/29/12 15:06
7440-09-7	Potassium	2190	1000	3000	5000	1	J	SW6010B	2B27008	02/29/12 15:06
7440-23-5	Sodium	20900	1000	3000	5000	1		SW6010B	2B27008	02/29/12 15:06

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-02
Sampled:	02/13/12 14:12	Received:	02/15/12 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	2B27008	02/29/12 15:11
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B27008	02/29/12 15:11

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03
Sampled:	02/13/12 15:33	Received:	02/15/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	67600	1000	2000	5000	1		SW6010B	2B27008	02/29/12 15:15
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B27008	02/29/12 15:15
7439-95-4	Magnesium	8730	1000	3000	5000	1		SW6010B	2B27008	02/29/12 15:15
7440-09-7	Potassium	2830	1000	3000	5000	1	J	SW6010B	2B27008	02/29/12 15:15
7440-23-5	Sodium	31600	1000	3000	5000	1		SW6010B	2B27008	02/29/12 15:15

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-04
Sampled:	02/13/12 15:33	Received:	02/15/12 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	2B27008	02/29/12 15:21
7439-96-5	Manganese (dissolved)	3.22	3.00	6.00	15.0	1	J	SW6010B	2B27008	02/29/12 15:21

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01
Sampled:	02/15/12 10:31	Received:	02/16/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58500	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:23
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:23
7439-95-4	Magnesium	7430	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:23
7440-09-7	Potassium	2870	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:23
7440-23-5	Sodium	25100	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:23

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-02
Sampled:	02/15/12 10:31	Received:	02/16/12 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	2B29006	02/29/12 16:12
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B29006	02/29/12 16:12

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03
Sampled:	02/15/12 12:53	Received:	02/16/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	53900	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:28
7439-95-4	Magnesium	6880	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:28
7440-09-7	Potassium	2820	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:28
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:28

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-04
Sampled:	02/15/12 12:53	Received:	02/16/12 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	2B29006	02/29/12 16:16
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B29006	02/29/12 16:16

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05
Sampled:	02/15/12 12:53	Received:	02/16/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	51000	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:32
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:32
7439-95-4	Magnesium	6580	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:32
7440-09-7	Potassium	2690	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:32
7440-23-5	Sodium	24500	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:32

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-06
Sampled:	02/15/12 12:53	Received:	02/16/12 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	2B29006	02/29/12 16:21
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B29006	02/29/12 16:21

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07
Sampled:	02/15/12 12:33	Received:	02/16/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38600	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:37
7439-95-4	Magnesium	4900	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:37
7440-09-7	Potassium	2090	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:37
7440-23-5	Sodium	22500	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:37

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-08
Sampled:	02/15/12 12:33	Received:	02/16/12 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	2B29006	02/29/12 16:25
7439-96-5	Manganese (dissolved)	6.06	3.00	6.00	15.0	1	J	SW6010B	2B29006	02/29/12 16:25

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09
Sampled:	02/14/12 15:22	Received:	02/16/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37700	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:41
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:41
7439-95-4	Magnesium	4870	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:41
7440-09-7	Potassium	2150	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:41
7440-23-5	Sodium	22200	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:41

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-10
Sampled:	02/14/12 15:22	Received:	02/16/12 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	2B29006	02/29/12 16:30
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B29006	02/29/12 16:30

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11
Sampled:	02/14/12 14:56	Received:	02/16/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35000	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:46
7439-95-4	Magnesium	4540	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:46
7440-09-7	Potassium	2010	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:46
7440-23-5	Sodium	21400	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:46

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-12
Sampled:	02/14/12 14:56	Received:	02/16/12 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	2B29006	02/29/12 16:47
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B29006	02/29/12 16:47

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01
Sampled:	02/15/12 15:58	Received:	02/17/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	51200	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:50
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:50
7439-95-4	Magnesium	6550	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:50
7440-09-7	Potassium	2600	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:50
7440-23-5	Sodium	23700	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:50

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-02
Sampled:	02/15/12 15:58	Received:	02/17/12 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	2B29006	02/29/12 16:52
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B29006	02/29/12 16:52

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03
Sampled:	02/16/12 11:13	Received:	02/17/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	84500	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:55
7439-95-4	Magnesium	11600	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:55
7440-09-7	Potassium	3060	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:55
7440-23-5	Sodium	32300	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:55

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-04
Sampled:	02/16/12 11:13	Received:	02/17/12 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)	285	30.0	60.0	100	1		SW6010B	2B29006	02/29/12 16:56
7439-96-5	Manganese (dissolved)	1090	3.00	6.00	15.0	1		SW6010B	2B29006	02/29/12 16:56

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05
Sampled:	02/15/12 15:03	Received:	02/17/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	80000	1000	2000	5000	1		SW6010B	2B29010	03/01/12 15:59
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29010	03/01/12 15:59
7439-95-4	Magnesium	11400	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:59
7440-09-7	Potassium	2930	1000	3000	5000	1	J	SW6010B	2B29010	03/01/12 15:59
7440-23-5	Sodium	34600	1000	3000	5000	1		SW6010B	2B29010	03/01/12 15:59

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-06
Sampled:	02/15/12 15:03	Received:	02/17/12 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)	2200	30.0	60.0	100	1		SW6010B	2B29006	02/29/12 17:01
7439-96-5	Manganese (dissolved)	1900	3.00	6.00	15.0	1		SW6010B	2B29006	02/29/12 17:01

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07
Sampled:	02/16/12 14:12	Received:	02/17/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	78600	1000	2000	5000	1		SW6010B	2B29011	03/01/12 19:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 19:51
7439-95-4	Magnesium	10300	1000	3000	5000	1		SW6010B	2B29011	03/01/12 19:51
7440-09-7	Potassium	3220	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 19:51
7440-23-5	Sodium	29400	1000	3000	5000	1		SW6010B	2B29011	03/01/12 19:51

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-08
Sampled:	02/16/12 14:12	Received:	02/17/12 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)	90.3	30.0	60.0	100	1	J	SW6010B	2B29006	02/29/12 17:05
7439-96-5	Manganese (dissolved)	407	3.00	6.00	15.0	1		SW6010B	2B29006	02/29/12 17:05

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09
Sampled:	02/16/12 11:54	Received:	02/17/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54400	1000	2000	5000	1		SW6010B	2B29011	03/01/12 19:56
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 19:56
7439-95-4	Magnesium	7000	1000	3000	5000	1		SW6010B	2B29011	03/01/12 19:56
7440-09-7	Potassium	2700	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 19:56
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2B29011	03/01/12 19:56

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-10
Sampled:	02/16/12 11:54	Received:	02/17/12 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	2B29006	02/29/12 17:10
7439-96-5	Manganese (dissolved)	56.0	3.00	6.00	15.0	1		SW6010B	2B29006	02/29/12 17:10

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_044
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_044
Project: Kirtland AFB 2011
Calibration: 2060001
Sequence: 2B06032

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B06032-ICV1	Calcium	50000	53210	106	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10300	103	ug/L	+/- 10.00%
	Lead	1000	984.4	98.4	ug/L	+/- 10.00%
	Magnesium	50000	51810	104	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1013	101	ug/L	+/- 10.00%
	Potassium	10000	9521	95.2	ug/L	+/- 10.00%
	Sodium	50000	51540	103	ug/L	+/- 10.00%
2B06032-CCV1	Calcium	50000	50660	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10140	101	ug/L	+/- 10.00%
	Lead	1000	933.8	93.4	ug/L	+/- 10.00%
	Magnesium	50000	49270	98.5	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	951.5	95.2	ug/L	+/- 10.00%
	Potassium	10000	9923	99.2	ug/L	+/- 10.00%
	Sodium	50000	47840	95.7	ug/L	+/- 10.00%
2B06032-CCV4	Calcium	50000	50280	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10060	101	ug/L	+/- 10.00%
	Lead	1000	1014	101	ug/L	+/- 10.00%
	Magnesium	50000	49470	98.9	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	978.7	97.9	ug/L	+/- 10.00%
	Potassium	10000	10010	100	ug/L	+/- 10.00%
	Sodium	50000	51850	104	ug/L	+/- 10.00%
2B06032-CCV5	Calcium	50000	50610	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9896	99.0	ug/L	+/- 10.00%
	Lead	1000	1006	101	ug/L	+/- 10.00%
	Magnesium	50000	47960	95.9	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	990.0	99.0	ug/L	+/- 10.00%
	Potassium	10000	9999	100	ug/L	+/- 10.00%
	Sodium	50000	51320	103	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_044
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%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_044
Project: Kirtland AFB 2011
Calibration: 2061001
Sequence: 2C06101

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2C06101-ICV1	Calcium	50000	53320	107	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10260	103	ug/L	+/- 10.00%
	Lead	1000	946.6	94.7	ug/L	+/- 10.00%
	Magnesium	50000	50000	100	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1028	103	ug/L	+/- 10.00%
	Potassium	10000	9316	93.2	ug/L	+/- 10.00%
	Sodium	50000	50340	101	ug/L	+/- 10.00%
2C06101-CCV1	Calcium	50000	51540	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10290	103	ug/L	+/- 10.00%
	Lead	1000	978.3	97.8	ug/L	+/- 10.00%
	Magnesium	50000	49330	98.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1034	103	ug/L	+/- 10.00%
	Potassium	10000	9876	98.8	ug/L	+/- 10.00%
	Sodium	50000	50450	101	ug/L	+/- 10.00%
2C06101-CCV2	Calcium	50000	50740	101	ug/L	+/- 10.00%
	Lead	1000	976.5	97.7	ug/L	+/- 10.00%
	Magnesium	50000	48740	97.5	ug/L	+/- 10.00%
	Potassium	10000	9846	98.5	ug/L	+/- 10.00%
	Sodium	50000	50530	101	ug/L	+/- 10.00%
2C06101-CCV4	Calcium	50000	50160	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9961	99.6	ug/L	+/- 10.00%
	Lead	1000	999.6	100	ug/L	+/- 10.00%
	Magnesium	50000	48610	97.2	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1017	102	ug/L	+/- 10.00%
	Potassium	10000	9794	97.9	ug/L	+/- 10.00%
	Sodium	50000	50920	102	ug/L	+/- 10.00%
2C06101-CCV5	Iron (dissolved)	10000	9879	98.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1009	101	ug/L	+/- 10.00%
2C06101-CCV6	Iron (dissolved)	10000	10030	100	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1009	101	ug/L	+/- 10.00%
2C06101-CCV7	Iron (dissolved)	10000	9896	99.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1017	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_044
Project: Kirtland AFB 2011
Calibration: 2062001
Sequence: 2C06202

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2C06202-ICV1	Calcium	50000	52970	106	ug/L	+/- 10.00%
	Lead	1000	983.6	98.4	ug/L	+/- 10.00%
	Magnesium	50000	50800	102	ug/L	+/- 10.00%
	Potassium	10000	9905	99.1	ug/L	+/- 10.00%
	Sodium	50000	50390	101	ug/L	+/- 10.00%
2C06202-CCV1	Calcium	50000	54040	108	ug/L	+/- 10.00%
	Lead	1000	964.0	96.4	ug/L	+/- 10.00%
	Magnesium	50000	50700	101	ug/L	+/- 10.00%
	Potassium	10000	9947	99.5	ug/L	+/- 10.00%
	Sodium	50000	50540	101	ug/L	+/- 10.00%
2C06202-CCV3	Calcium	50000	51980	104	ug/L	+/- 10.00%
	Lead	1000	975.5	97.6	ug/L	+/- 10.00%
	Magnesium	50000	50350	101	ug/L	+/- 10.00%
	Potassium	10000	9935	99.4	ug/L	+/- 10.00%
	Sodium	50000	50200	100	ug/L	+/- 10.00%
2C06202-CCV4	Calcium	50000	52220	104	ug/L	+/- 10.00%
	Lead	1000	957.3	95.7	ug/L	+/- 10.00%
	Magnesium	50000	50230	100	ug/L	+/- 10.00%
	Potassium	10000	9945	99.4	ug/L	+/- 10.00%
	Sodium	50000	49760	99.5	ug/L	+/- 10.00%
2C06202-CCV5	Calcium	50000	52740	105	ug/L	+/- 10.00%
	Lead	1000	963.5	96.3	ug/L	+/- 10.00%
	Magnesium	50000	50620	101	ug/L	+/- 10.00%
	Potassium	10000	10000	100	ug/L	+/- 10.00%
	Sodium	50000	49740	99.5	ug/L	+/- 10.00%
2C06202-CCV8	Calcium	50000	52100	104	ug/L	+/- 10.00%
	Lead	1000	996.0	99.6	ug/L	+/- 10.00%
	Magnesium	50000	50740	101	ug/L	+/- 10.00%
	Potassium	10000	9865	98.7	ug/L	+/- 10.00%
	Sodium	50000	49500	99.0	ug/L	+/- 10.00%
2C06202-CCV9	Calcium	50000	51150	102	ug/L	+/- 10.00%
	Lead	1000	1012	101	ug/L	+/- 10.00%
	Magnesium	50000	50710	101	ug/L	+/- 10.00%
	Potassium	10000	9755	97.5	ug/L	+/- 10.00%
	Sodium	50000	50600	101	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

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_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2060001

Sequence: 2B06032

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B06032-CRL1	Calcium	2000	2254	113	ug/L	80 - 120
	Iron (dissolved)	60.00	66.30	110	ug/L	80 - 120
	Lead	3.000	2.939	98.0	ug/L	80 - 120
	Magnesium	3000	3253	108	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.452	108	ug/L	80 - 120
	Potassium	3000	3041	101	ug/L	80 - 120
	Sodium	3000	3076	103	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

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

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2061001

Sequence: 2C06101

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2C06101-CRL1	Calcium	2000	2161	108	ug/L	80 - 120
	Iron (dissolved)	60.00	64.18	107	ug/L	80 - 120
	Lead	3.000	2.558	85.3	ug/L	80 - 120
	Magnesium	3000	3074	102	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.375	106	ug/L	80 - 120
	Potassium	3000	2988	99.6	ug/L	80 - 120
	Sodium	3000	3047	102	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2062001

Sequence: 2C06202

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2C06202-CRL1	Calcium	2000	2280	114	ug/L	80 - 120
	Lead	3.000	3.113	104	ug/L	80 - 120
	Magnesium	3000	3183	106	ug/L	80 - 120
	Potassium	3000	3005	100	ug/L	80 - 120
	Sodium	3000	2999	100	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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_044
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B06032
Calibration: 2060001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B06032-ICB1	Calcium	0.5800	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.303	30.0	100	ug/L	U	SW6010B
	Lead	-0.2922	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-5.290	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.03147	3.00	15.0	ug/L	U	SW6010B
	Potassium	-13.81	1000	5000	ug/L	U	SW6010B
	Sodium	56.68	1000	5000	ug/L	U	SW6010B
2B06032-CCB1	Calcium	-0.220	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	2.28	30.0	100	ug/L	U	SW6010B
	Lead	-0.919	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.45	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0518	3.00	15.0	ug/L	U	SW6010B
	Potassium	-12.9	1000	5000	ug/L	U	SW6010B
	Sodium	41.1	1000	5000	ug/L	U	SW6010B
2B06032-CCB4	Calcium	2.43	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	5.86	30.0	100	ug/L	U	SW6010B
	Lead	-0.292	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-12.3	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.514	3.00	15.0	ug/L	U	SW6010B
	Potassium	20.7	1000	5000	ug/L	U	SW6010B
	Sodium	30.2	1000	5000	ug/L	U	SW6010B
2B27008-BLK1	Calcium	4.73	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	3.59	30.0	100	ug/L	U	SW6010B
	Lead	-0.631	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.820	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.116	3.00	15.0	ug/L	U	SW6010B
	Potassium	51.2	1000	5000	ug/L	U	SW6010B
	Sodium	30.2	1000	5000	ug/L	U	SW6010B
2B06032-CCB5	Calcium	-1.32	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.121	30.0	100	ug/L	U	SW6010B
	Lead	-0.00174	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-8.87	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.0104	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2B06032
Calibration: 2060001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B06032-CCB5	Potassium	53.5	1000	5000	ug/L	U	SW6010B
	Sodium	38.0	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2C06101
Calibration: 2061001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C06101-ICB1	Calcium	0.7200	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.720	30.0	100	ug/L	U	SW6010B
	Lead	-0.5725	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.540	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.005050	3.00	15.0	ug/L	U	SW6010B
	Potassium	13.92	1000	5000	ug/L	U	SW6010B
	Sodium	18.08	1000	5000	ug/L	U	SW6010B
2C06101-CCB1	Calcium	0.320	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.45	30.0	100	ug/L	U	SW6010B
	Lead	-0.355	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.07	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0764	3.00	15.0	ug/L	U	SW6010B
	Potassium	6.85	1000	5000	ug/L	U	SW6010B
	Sodium	7.67	1000	5000	ug/L	U	SW6010B
2B27007-BLK1	Calcium	5.32	1000	5000	ug/L	U	SW6010B
	Lead	-0.527	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.57	1000	5000	ug/L	U	SW6010B
	Potassium	17.4	1000	5000	ug/L	U	SW6010B
	Sodium	8.49	1000	5000	ug/L	U	SW6010B
2C06101-CCB2	Calcium	2.72	1000	5000	ug/L	U	SW6010B
	Lead	-0.0120	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.84	1000	5000	ug/L	U	SW6010B
	Potassium	21.8	1000	5000	ug/L	U	SW6010B
	Sodium	10.8	1000	5000	ug/L	U	SW6010B
2C06101-CCB4	Calcium	-0.770	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.430	30.0	100	ug/L	U	SW6010B
	Lead	0.230	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-5.41	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0108	3.00	15.0	ug/L	U	SW6010B
	Potassium	48.1	1000	5000	ug/L	U	SW6010B
	Sodium	1.35	1000	5000	ug/L	U	SW6010B
2C06101-CCB5	Iron (dissolved)	-0.604	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.00975	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2C06101
Calibration: 2061001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B29006-BLK1	Iron (dissolved)	0.204	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.00746	3.00	15.0	ug/L	U	SW6010B
2C06101-CCB6	Iron (dissolved)	0.694	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.135	3.00	15.0	ug/L	U	SW6010B
2C06101-CCB7	Iron (dissolved)	-1.27	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.104	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2C06202
Calibration: 2062001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C06202-ICB1	Calcium	-0.5500	1000	5000	ug/L	U	SW6010B
	Lead	0.1592	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-6.050	1000	5000	ug/L	U	SW6010B
	Potassium	15.03	1000	5000	ug/L	U	SW6010B
	Sodium	-0.2500	1000	5000	ug/L	U	SW6010B
2C06202-CCB1	Calcium	4.61	1000	5000	ug/L	U	SW6010B
	Lead	0.433	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.14	1000	5000	ug/L	U	SW6010B
	Potassium	16.6	1000	5000	ug/L	U	SW6010B
	Sodium	2.04	1000	5000	ug/L	U	SW6010B
2C06202-CCB3	Calcium	10.7	1000	5000	ug/L	U	SW6010B
	Lead	0.236	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.08	1000	5000	ug/L	U	SW6010B
	Potassium	14.2	1000	5000	ug/L	U	SW6010B
	Sodium	34.5	1000	5000	ug/L	U	SW6010B
2B29010-BLK1	Calcium	9.34	1000	5000	ug/L	U	SW6010B
	Lead	0.778	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.620	1000	5000	ug/L	U	SW6010B
	Potassium	17.3	1000	5000	ug/L	U	SW6010B
	Sodium	23.0	1000	5000	ug/L	U	SW6010B
2C06202-CCB4	Calcium	4.58	1000	5000	ug/L	U	SW6010B
	Lead	0.0786	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.640	1000	5000	ug/L	U	SW6010B
	Potassium	44.2	1000	5000	ug/L	U	SW6010B
	Sodium	-6.03	1000	5000	ug/L	U	SW6010B
2C06202-CCB5	Calcium	6.50	1000	5000	ug/L	U	SW6010B
	Lead	0.155	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.75	1000	5000	ug/L	U	SW6010B
	Potassium	15.9	1000	5000	ug/L	U	SW6010B
	Sodium	4.59	1000	5000	ug/L	U	SW6010B
2C06202-CCB8	Calcium	17.8	1000	5000	ug/L	U	SW6010B
	Lead	0.146	1.50	3.00	ug/L	U	SW6010B
	Magnesium	24.2	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2C06202
Calibration: 2062001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C06202-CCB8	Potassium	46.0	1000	5000	ug/L	U	SW6010B
	Sodium	455	1000	5000	ug/L	U	SW6010B
2B29011-BLK1	Calcium	19.6	1000	5000	ug/L	U	SW6010B
	Lead	-0.207	1.50	3.00	ug/L	U	SW6010B
	Magnesium	28.8	1000	5000	ug/L	U	SW6010B
	Potassium	64.6	1000	5000	ug/L	U	SW6010B
	Sodium	387	1000	5000	ug/L	U	SW6010B
2C06202-CCB9	Calcium	3.97	1000	5000	ug/L	U	SW6010B
	Lead	-0.00966	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.69	1000	5000	ug/L	U	SW6010B
	Potassium	11.5	1000	5000	ug/L	U	SW6010B
	Sodium	54.3	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

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_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2060001
Sequence: 2B06032

Lab Sample ID	Analyte	True	Found	%R	Units
2B06032-IFA1	Calcium	500000	521,540.00	104	ug/L
	Iron (dissolved)	200000	212,530.00	106	ug/L
	Lead		7.59		ug/L
	Magnesium	500000	511,890.00	102	ug/L
	Manganese (dissolved)		-4.39		ug/L
	Potassium		15.73		ug/L
	Sodium		117.16		ug/L
2B06032-IFB1	Calcium	500000	512,860.00	103	ug/L
	Iron (dissolved)	200000	207,550.00	104	ug/L
	Lead	50.00	56.19	112	ug/L
	Magnesium	500000	500,810.00	100	ug/L
	Manganese (dissolved)	500.0	486.81	97.4	ug/L
	Potassium		-16.90		ug/L
	Sodium		82.43		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2061001
Sequence: 2C06101

Lab Sample ID	Analyte	True	Found	%R	Units
2C06101-IFA1	Calcium	500000	503,620.00	101	ug/L
	Iron (dissolved)	200000	203,370.00	102	ug/L
	Lead		0.67		ug/L
	Magnesium	500000	488,490.00	97.7	ug/L
	Manganese (dissolved)		-3.72		ug/L
	Potassium		-4.62		ug/L
	Sodium		29.04		ug/L
2C06101-IFB1	Calcium	500000	501,670.00	100	ug/L
	Iron (dissolved)	200000	205,670.00	103	ug/L
	Lead	50.00	48.41	96.8	ug/L
	Magnesium	500000	484,260.00	96.9	ug/L
	Manganese (dissolved)	500.0	478.80	95.8	ug/L
	Potassium		1.78		ug/L
	Sodium		66.27		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2062001
Sequence: 2C06202

Lab Sample ID	Analyte	True	Found	%R	Units
2C06202-IFA1	Calcium	500000	507,060.00	101	ug/L
	Lead		-1.75		ug/L
	Magnesium	500000	493,060.00	98.6	ug/L
	Potassium		5.94		ug/L
	Sodium		27.72		ug/L
2C06202-IFB1	Calcium	500000	525,820.00	105	ug/L
	Lead	50.00	47.81	95.6	ug/L
	Magnesium	500000	498,070.00	99.6	ug/L
	Potassium		-23.62		ug/L
	Sodium		62.64		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B29006

% Solids:

Source Sample Name: **1202127-10**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1005	100		80 - 120
Manganese (dissolved)	500.0	55.96	551.1	99.0		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	998.8	99.9	0.621		20	80 - 120
Manganese (dissolved)	500.0	549.8	98.8	0.236		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B29011

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	54370	57040	53.4	4x	80 - 120
Lead	250.0	ND	244.7	97.9		80 - 120
Magnesium	5000	6999	11740	94.9		80 - 120
Potassium	5000	2700	7424	94.5		80 - 120
Sodium	5000	25340	29560	84.4		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	56970	52.0	0.121	4x	20	80 - 120
Lead	250.0	242.5	97.0	0.932		20	80 - 120
Magnesium	5000	11770	95.4	0.213		20	80 - 120
Potassium	5000	7378	93.5	0.620		20	80 - 120
Sodium	5000	30170	96.5	2.03		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0470

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2B29011-PS1
Batch: 2B29011
Lab Source ID: 1202127-09
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	**55870**	**54370**	**5000**	**30.0**	**80 - 120**
Lead	256.4	ND	250.0	103	80 - 120
Magnesium	11790	6999	5000	95.7	80 - 120
Potassium	7416	2700	5000	94.3	80 - 120
Sodium	30590	25340	5000	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27007	Laboratory ID:	2B27007-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	5432	109	80 - 120
Lead	250.0	244.8	97.9	80 - 120
Magnesium	5000	5050	101	80 - 120
Potassium	5000	4902	98.0	80 - 120
Sodium	5000	4970	99.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27008	Laboratory ID:	2B27008-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	5084	102	80 - 120
Iron (dissolved)	1000	1045	105	80 - 120
Lead	250.0	253.7	101	80 - 120
Magnesium	5000	4749	95.0	80 - 120
Manganese (dissolved)	500.0	495.3	99.1	80 - 120
Potassium	5000	4959	99.2	80 - 120
Sodium	5000	5024	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B29006	Laboratory ID:	2B29006-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	1062	106	80 - 120
Manganese (dissolved)	500.0	524.2	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B29010	Laboratory ID:	2B29010-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	5284	106	80 - 120
Lead	250.0	245.8	98.3	80 - 120
Magnesium	5000	4990	99.8	80 - 120
Potassium	5000	4783	95.7	80 - 120
Sodium	5000	4948	99.0	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B29011	Laboratory ID:	2B29011-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	5406	108	80 - 120
Lead	250.0	256.4	103	80 - 120
Magnesium	5000	5136	103	80 - 120
Potassium	5000	4888	97.8	80 - 120
Sodium	5000	5237	105	80 - 120

SERIAL DILUTION

SW6010B

GW0470

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2C06101
Preparation: MET_3005A

SDG: Kirtland_044
Project: Kirtland AFB 2011
Laboratory ID: 2B29006-DUP1
Lab Source ID: 1202127-10
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)	55.964	63.48	13.4		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0470

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2C06202
Preparation: MET_3005A

SDG: Kirtland_044
Project: Kirtland AFB 2011
Laboratory ID: 2B29011-DUP1
Lab Source ID: 1202127-09
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	54368	53205	-2.14		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	6999	7177	2.54		SW6010B	10.00
Potassium	2700.5	ND			SW6010B	10.00
Sodium	25343	25971	2.48		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_044

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_044

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_044

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_044

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_044

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_044

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_044

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_044

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.
GW0407	1202084-02	02/21/12 15:09	50.00	50.00
GW0415	1202084-04	02/21/12 15:09	50.00	50.00
GW0441	1202084-06	02/21/12 15:09	50.00	50.00
GW0442	1202084-08	02/21/12 15:09	50.00	50.00
GW0443	1202084-10	02/21/12 15:09	50.00	50.00
GW0480	1202084-12	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

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/23/12 07:55	50.00	50.00
GW0415	1202084-03	02/23/12 07:55	50.00	50.00
GW0441	1202084-05	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

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B27007 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0442	1202084-07	02/27/12 07:47	50.00	50.00
GW0443	1202084-09	02/27/12 07:47	50.00	50.00
GW0480	1202084-11	02/27/12 07:47	50.00	50.00
Blank	2B27007-BLK1	02/27/12 07:47	50.00	50.00
LCS	2B27007-BS1	02/27/12 07:47	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B27008 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/27/12 07:53	50.00	50.00
GW0391	1202096-02	02/27/12 07:53	50.00	50.00
GW0412	1202096-03	02/27/12 07:53	50.00	50.00
GW0412	1202096-04	02/27/12 07:53	50.00	50.00
GW0414	1202096-05	02/27/12 07:53	50.00	50.00
GW0414	1202096-06	02/27/12 07:53	50.00	50.00
GW0394	1202099-01	02/27/12 07:53	50.00	50.00
GW0394	1202099-02	02/27/12 07:53	50.00	50.00
GW0413	1202099-03	02/27/12 07:53	50.00	50.00
GW0413	1202099-04	02/27/12 07:53	50.00	50.00
Blank	2B27008-BLK1	02/27/12 07:53	50.00	50.00
Blank	2B27008-BLK1	02/27/12 07:53	50.00	50.00
LCS	2B27008-BS1	02/27/12 07:53	50.00	50.00
LCS	2B27008-BS1	02/27/12 07:53	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B29006 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0431	1202116-02	02/29/12 07:55	50.00	50.00
GW0432	1202116-04	02/29/12 07:55	50.00	50.00
GW0433	1202116-06	02/29/12 07:55	50.00	50.00
GW0447	1202116-08	02/29/12 07:55	50.00	50.00
GW0471	1202116-10	02/29/12 07:55	50.00	50.00
GW0481	1202116-12	02/29/12 07:55	50.00	50.00
GW0434	1202127-02	02/29/12 07:55	50.00	50.00
GW0445	1202127-04	02/29/12 07:55	50.00	50.00
GW0446	1202127-06	02/29/12 07:55	50.00	50.00
GW0469	1202127-08	02/29/12 07:55	50.00	50.00
GW0470	1202127-10	02/29/12 07:55	50.00	50.00
Blank	2B29006-BLK1	02/29/12 07:55	50.00	50.00
LCS	2B29006-BS1	02/29/12 07:55	50.00	50.00
GW0470	2B29006-DUP1	02/29/12 07:55	50.00	50.00
GW0470	2B29006-MS1	02/29/12 07:55	50.00	50.00
GW0470	2B29006-MSD1	02/29/12 07:55	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B29010 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0431	1202116-01	02/29/12 08:47	50.00	50.00
GW0432	1202116-03	02/29/12 08:47	50.00	50.00
GW0433	1202116-05	02/29/12 08:47	50.00	50.00
GW0447	1202116-07	02/29/12 08:47	50.00	50.00
GW0471	1202116-09	02/29/12 08:47	50.00	50.00
GW0481	1202116-11	02/29/12 08:47	50.00	50.00
GW0434	1202127-01	02/29/12 08:47	50.00	50.00
GW0445	1202127-03	02/29/12 08:47	50.00	50.00
GW0446	1202127-05	02/29/12 08:47	50.00	50.00
Blank	2B29010-BLK1	02/29/12 08:47	50.00	50.00
LCS	2B29010-BS1	02/29/12 08:47	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B29011 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0469	1202127-07	02/29/12 08:51	50.00	50.00
GW0470	1202127-09	02/29/12 08:51	50.00	50.00
Blank	2B29011-BLK1	02/29/12 08:51	50.00	50.00
LCS	2B29011-BS1	02/29/12 08:51	50.00	50.00
GW0470	2B29011-DUP1	02/29/12 08:51	50.00	50.00
GW0470	2B29011-MS1	02/29/12 08:51	50.00	50.00
GW0470	2B29011-MSD1	02/29/12 08:51	50.00	50.00
GW0470	2B29011-PS1	02/29/12 08:51	20.00	20.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
Calibration Check	2B05413-CCV5	022212B-070	02/22/12 16:58
Calibration Blank	2B05413-CCB5	022212B-071	02/22/12 17:05
GW0407	1202084-02	022212B-073	02/22/12 17:14
GW0415	1202084-04	022212B-074	02/22/12 17:19
GW0441	1202084-06	022212B-075	02/22/12 17:23
GW0442	1202084-08	022212B-076	02/22/12 17:28
GW0443	1202084-10	022212B-077	02/22/12 17:32
GW0480	1202084-12	022212B-078	02/22/12 17:37
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06032	Instrument:	ME-ICP
Calibration:	2060001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B06032-CAL1	022712A-001	02/27/12 08:37
Cal Standard	2B06032-CAL1	022712A-001	02/27/12 08:37
Cal Standard	2B06032-CAL2	022712A-002	02/27/12 08:42
Cal Standard	2B06032-CAL2	022712A-002	02/27/12 08:42
Cal Standard	2B06032-CAL3	022712A-003	02/27/12 08:47
Cal Standard	2B06032-CAL3	022712A-003	02/27/12 08:47
Cal Standard	2B06032-CAL4	022712A-004	02/27/12 08:51
Cal Standard	2B06032-CAL5	022712A-005	02/27/12 08:56
Cal Standard	2B06032-CAL5	022712A-005	02/27/12 08:56
Cal Standard	2B06032-CAL6	022712A-006	02/27/12 09:01
Cal Standard	2B06032-CAL6	022712A-006	02/27/12 09:01
Cal Standard	2B06032-CAL7	022712A-007	02/27/12 09:08
Cal Standard	2B06032-CAL8	022712A-008	02/27/12 09:13
Initial Cal Check	2B06032-ICV1	022712B-001	02/27/12 10:03
Initial Cal Check	2B06032-ICV1	022712B-001	02/27/12 10:03
Initial Cal Blank	2B06032-ICB1	022712B-002	02/27/12 10:10
Initial Cal Blank	2B06032-ICB1	022712B-002	02/27/12 10:10
Instrument RL Check	2B06032-CRL1	022712B-003	02/27/12 10:15
Instrument RL Check	2B06032-CRL1	022712B-003	02/27/12 10:15
Interference Check A	2B06032-IFA1	022712B-006	02/27/12 10:34
Interference Check A	2B06032-IFA1	022712B-006	02/27/12 10:34
Interference Check B	2B06032-IFB1	022712B-007	02/27/12 10:52
Interference Check B	2B06032-IFB1	022712B-007	02/27/12 10:52
Calibration Check	2B06032-CCV1	022712B-009	02/27/12 11:11
Calibration Check	2B06032-CCV1	022712B-009	02/27/12 11:11
Calibration Blank	2B06032-CCB1	022712B-010	02/27/12 11:20
Calibration Blank	2B06032-CCB1	022712B-010	02/27/12 11:20
Calibration Check	2B06032-CCV4	022712B-052	02/27/12 14:41
Calibration Check	2B06032-CCV4	022712B-052	02/27/12 14:41
Calibration Blank	2B06032-CCB4	022712B-053	02/27/12 14:48
Calibration Blank	2B06032-CCB4	022712B-053	02/27/12 14:48
Blank	2B27008-BLK1	022712B-056	02/27/12 15:04

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06032	Instrument:	ME-ICP
Calibration:	2060001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	2B27008-BLK1	022712B-056	02/27/12 15:04
LCS	2B27008-BS1	022712B-057	02/27/12 15:09
LCS	2B27008-BS1	022712B-057	02/27/12 15:09
Calibration Check	2B06032-CCV5	022712B-063	02/27/12 15:41
Calibration Check	2B06032-CCV5	022712B-063	02/27/12 15:41
Calibration Blank	2B06032-CCB5	022712B-064	02/27/12 15:48
Calibration Blank	2B06032-CCB5	022712B-064	02/27/12 15:48

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
Calibration Check	2B06033-CCV2	022412B-030	02/24/12 12:46
Calibration Blank	2B06033-CCB2	022412B-031	02/24/12 12:53
GW0407	1202084-01	022412B-043	02/24/12 13:47
GW0415	1202084-03	022412B-044	02/24/12 13:51
GW0441	1202084-05	022412B-045	02/24/12 13:56
Calibration Check	2B06033-CCV3	022412B-046	02/24/12 14:01
Calibration Blank	2B06033-CCB3	022412B-047	02/24/12 14:08

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06101	Instrument:	ME-ICP
Calibration:	2061001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2C06101-CAL1	022912A-001	02/29/12 08:50
Cal Standard	2C06101-CAL1	022912A-001	02/29/12 08:50
Cal Standard	2C06101-CAL2	022912A-002	02/29/12 08:55
Cal Standard	2C06101-CAL2	022912A-002	02/29/12 08:55
Cal Standard	2C06101-CAL3	022912A-003	02/29/12 09:00
Cal Standard	2C06101-CAL3	022912A-003	02/29/12 09:00
Cal Standard	2C06101-CAL4	022912A-004	02/29/12 09:05
Cal Standard	2C06101-CAL5	022912A-005	02/29/12 09:10
Cal Standard	2C06101-CAL5	022912A-005	02/29/12 09:10
Cal Standard	2C06101-CAL6	022912A-006	02/29/12 09:15
Cal Standard	2C06101-CAL6	022912A-006	02/29/12 09:15
Cal Standard	2C06101-CAL7	022912A-007	02/29/12 09:21
Cal Standard	2C06101-CAL8	022912A-008	02/29/12 09:26
Initial Cal Check	2C06101-ICV1	022912B-001	02/29/12 10:00
Initial Cal Check	2C06101-ICV1	022912B-001	02/29/12 10:00
Initial Cal Blank	2C06101-ICB1	022912B-002	02/29/12 10:07
Initial Cal Blank	2C06101-ICB1	022912B-002	02/29/12 10:07
Instrument RL Check	2C06101-CRL1	022912B-003	02/29/12 10:13
Instrument RL Check	2C06101-CRL1	022912B-003	02/29/12 10:13
Interference Check A	2C06101-IFA1	022912B-005	02/29/12 10:23
Interference Check A	2C06101-IFA1	022912B-005	02/29/12 10:23
Interference Check B	2C06101-IFB1	022912B-007	02/29/12 10:33
Interference Check B	2C06101-IFB1	022912B-007	02/29/12 10:33
Calibration Check	2C06101-CCV1	022912B-009	02/29/12 10:45
Calibration Check	2C06101-CCV1	022912B-009	02/29/12 10:45
Calibration Blank	2C06101-CCB1	022912B-010	02/29/12 10:52
Calibration Blank	2C06101-CCB1	022912B-010	02/29/12 10:52
Blank	2B27007-BLK1	022912B-011	02/29/12 10:57
LCS	2B27007-BS1	022912B-012	02/29/12 11:02
GW0442	1202084-07	022912B-013	02/29/12 11:08
GW0443	1202084-09	022912B-014	02/29/12 11:12
GW0480	1202084-11	022912B-015	02/29/12 11:17

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06101	Instrument:	ME-ICP
Calibration:	2061001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2C06101-CCV2	022912B-023	02/29/12 11:54
Calibration Blank	2C06101-CCB2	022912B-024	02/29/12 12:01
Calibration Check	2C06101-CCV4	022912B-055	02/29/12 14:28
Calibration Check	2C06101-CCV4	022912B-055	02/29/12 14:28
Calibration Blank	2C06101-CCB4	022912B-056	02/29/12 14:35
Calibration Blank	2C06101-CCB4	022912B-056	02/29/12 14:35
GW0391	1202096-01	022912B-057	02/29/12 14:39
GW0391	1202096-02	022912B-058	02/29/12 14:44
GW0412	1202096-03	022912B-059	02/29/12 14:48
GW0412	1202096-04	022912B-060	02/29/12 14:53
GW0414	1202096-05	022912B-061	02/29/12 14:57
GW0414	1202096-06	022912B-062	02/29/12 15:02
GW0394	1202099-01	022912B-063	02/29/12 15:06
GW0394	1202099-02	022912B-064	02/29/12 15:11
GW0413	1202099-03	022912B-065	02/29/12 15:15
GW0413	1202099-04	022912B-066	02/29/12 15:21
Calibration Check	2C06101-CCV5	022912B-067	02/29/12 15:26
Calibration Blank	2C06101-CCB5	022912B-068	02/29/12 15:34
Blank	2B29006-BLK1	022912B-069	02/29/12 15:38
LCS	2B29006-BS1	022912B-070	02/29/12 15:43
GW0431	1202116-02	022912B-076	02/29/12 16:12
GW0432	1202116-04	022912B-077	02/29/12 16:16
GW0433	1202116-06	022912B-078	02/29/12 16:21
GW0447	1202116-08	022912B-079	02/29/12 16:25
GW0471	1202116-10	022912B-080	02/29/12 16:30
Calibration Check	2C06101-CCV6	022912B-081	02/29/12 16:35
Calibration Blank	2C06101-CCB6	022912B-082	02/29/12 16:43
GW0481	1202116-12	022912B-083	02/29/12 16:47
GW0434	1202127-02	022912B-084	02/29/12 16:52
GW0445	1202127-04	022912B-085	02/29/12 16:56
GW0446	1202127-06	022912B-086	02/29/12 17:01
GW0469	1202127-08	022912B-087	02/29/12 17:05

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06101	Instrument:	ME-ICP
Calibration:	2061001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0470	1202127-10	022912B-088	02/29/12 17:10
GW0470	2B29006-MS1	022912B-089	02/29/12 17:14
GW0470	2B29006-MSD1	022912B-090	02/29/12 17:18
GW0470	2B29006-DUP1	022912B-091	02/29/12 17:24
Calibration Check	2C06101-CCV7	022912B-096	02/29/12 17:47
Calibration Blank	2C06101-CCB7	022912B-097	02/29/12 17:54

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06202	Instrument:	ME-ICP
Calibration:	2062001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2C06202-CAL1	030112A-001	03/01/12 09:23
Cal Standard	2C06202-CAL2	030112A-002	03/01/12 09:28
Cal Standard	2C06202-CAL3	030112A-003	03/01/12 09:32
Cal Standard	2C06202-CAL5	030112A-005	03/01/12 09:42
Cal Standard	2C06202-CAL6	030112A-006	03/01/12 09:47
Cal Standard	2C06202-CAL7	030112A-007	03/01/12 09:53
Cal Standard	2C06202-CAL8	030112A-008	03/01/12 09:58
Initial Cal Check	2C06202-ICV1	030112B-001	03/01/12 10:29
Initial Cal Blank	2C06202-ICB1	030112B-002	03/01/12 10:37
Instrument RL Check	2C06202-CRL1	030112B-003	03/01/12 10:42
Interference Check A	2C06202-IFA1	030112B-005	03/01/12 10:52
Interference Check B	2C06202-IFB1	030112B-006	03/01/12 10:59
Calibration Check	2C06202-CCV1	030112B-008	03/01/12 11:10
Calibration Blank	2C06202-CCB1	030112B-009	03/01/12 11:18
Calibration Check	2C06202-CCV3	030112C-009	03/01/12 13:20
Calibration Blank	2C06202-CCB3	030112C-010	03/01/12 13:27
Blank	2B29010-BLK1	030112C-011	03/01/12 13:31
LCS	2B29010-BS1	030112C-012	03/01/12 13:36
Calibration Check	2C06202-CCV4	030112C-027	03/01/12 14:49
Calibration Blank	2C06202-CCB4	030112C-028	03/01/12 14:56
GW0431	1202116-01	030112C-034	03/01/12 15:23
GW0432	1202116-03	030112C-035	03/01/12 15:28
GW0433	1202116-05	030112C-036	03/01/12 15:32
GW0447	1202116-07	030112C-037	03/01/12 15:37
GW0471	1202116-09	030112C-038	03/01/12 15:41
GW0481	1202116-11	030112C-039	03/01/12 15:46
GW0434	1202127-01	030112C-040	03/01/12 15:50
GW0445	1202127-03	030112C-041	03/01/12 15:55
GW0446	1202127-05	030112C-042	03/01/12 15:59
Calibration Check	2C06202-CCV5	030112C-043	03/01/12 16:05
Calibration Blank	2C06202-CCB5	030112C-044	03/01/12 16:12
Calibration Check	2C06202-CCV8	030112C-084	03/01/12 19:29

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06202	Instrument:	ME-ICP
Calibration:	2062001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2C06202-CCB8	030112C-085	03/01/12 19:36
Blank	2B29011-BLK1	030112C-086	03/01/12 19:40
LCS	2B29011-BS1	030112C-087	03/01/12 19:45
GW0469	1202127-07	030112C-088	03/01/12 19:51
GW0470	1202127-09	030112C-089	03/01/12 19:56
GW0470	2B29011-MS1	030112C-090	03/01/12 20:00
GW0470	2B29011-MSD1	030112C-091	03/01/12 20:04
GW0470	2B29011-PS1	030112C-092	03/01/12 20:09
GW0470	2B29011-DUP1	030112C-093	03/01/12 20:14
Calibration Check	2C06202-CCV9	030112C-102	03/01/12 20:56
Calibration Blank	2C06202-CCB9	030112C-103	03/01/12 21:03

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044	
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_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2060001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/27/12 8:37 2/27/12 9:13

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	2.0942E-05	10000	2.0984E-05			500000	2.0816E-05		
Antimony	0	0	100	0.0003862	1000	3.9939E-04					10000	3.9839E-04
Arsenic	0	0	100	0.0002842	1000	2.9923E-04					10000	0.0002949
Barium	0	0	50	0.0091458	1000	8.702501E-03	5000	8.883799E-03				
Beryllium	0	0	100	0.0022251	1000	0.0022402					10000	0.0022438
Boron	0	0	50	0.000015	1000	0.0000142					5000	1.3892E-05
Cadmium	0	0	100	0.015116	1000	0.015356					10000	0.014792
Calcium	0	0	1100	6.589091E-05	50000	6.3822E-05					10000	
Chromium	0	0	100	0.0000464	1000	4.518E-05					10000	4.5392E-05
Cobalt	0	0	100	0.0037671	1000	0.003672					10000	0.0037824
Copper	0	0	100	0.0000475	1000	4.273E-05					10000	4.3117E-05
Iron	0	0	5100	2.111372E-05	10000	2.067E-05			500000	1.9907E-05	10000	
Lead	0	0	100	0.0010815	1000	0.0010509					10000	0.0010809
Magnesium	0	0	5100		50000	2.4762E-06			500000	2.4744E-06	10000	
Manganese	0	0	100	0.0002679	1000	0.0002628	10000	2.6408E-04			10000	
Molybdenum	0	0	100	0.0030838	1000	0.0031796					10000	0.0031666
Nickel	0	0	100	0.002817	1000	0.0027879					10000	0.0028188
Potassium	0	0	1000	5.73E-06	10000	1.3704E-05						
Selenium	0	0	100	0.0003167	1000	3.2226E-04					10000	3.1463E-04
Silver	0	0	20	0.0000615	500	5.686E-05	2000	6.0305E-05				
Sodium	0	0	1000		50000	3.591E-05						
Strontium	0	0	100	0.00136	1000	0.001369					10000	0.001406
Thallium	0	0	100	0.0004057	1000	4.0646E-04					10000	4.2005E-04
Tin	0	0	50	0.0010932	1000	0.0011438					5000	0.0011537
Titanium	0	0	100	0.0001972	1000	1.9326E-04					10000	1.9597E-04
Vanadium	0	0	100	0.0000497	1000	4.957E-05					10000	4.9372E-05
Zinc	0	0	100	0.0061667	1000	0.0062699					10000	0.0062532
Aluminum	0	0	5000	2.0942E-05	10000	2.0984E-05			500000	2.0816E-05		
Antimony	0	0	100	0.0003862	1000	3.9939E-04					10000	3.9839E-04
Arsenic	0	0	100	0.0002842	1000	2.9923E-04					10000	0.0002949
Barium	0	0	50	0.0091458	1000	8.702501E-03	5000	8.883799E-03				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2060001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/27/12 8:37 2/27/12 9:13

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	0.0022251	1000	0.0022402					10000	0.0022438
Boron	0	0	50	0.000015	1000	0.0000142					5000	1.3892E-05
Cadmium	0	0	100	0.015116	1000	0.015356					10000	0.014792
Calcium	0	0	1100	6.589091E-05	50000	6.3822E-05					10000	
Chromium	0	0	100	0.0000464	1000	4.518E-05					10000	4.5392E-05
Cobalt	0	0	100	0.0037671	1000	0.003672					10000	0.0037824
Copper	0	0	100	0.0000475	1000	4.273E-05					10000	4.3117E-05
Iron	0	0	5100	2.111372E-05	10000	2.067E-05			500000	1.9907E-05	10000	
Lead	0	0	100	0.0010815	1000	0.0010509					10000	0.0010809
Magnesium	0	0	5100		50000	2.4762E-06			500000	2.4744E-06	10000	
Manganese	0	0	100	0.0002679	1000	0.0002628	10000	2.6408E-04			10000	
Molybdenum	0	0	100	0.0030838	1000	0.0031796					10000	0.0031666
Nickel	0	0	100	0.002817	1000	0.0027879					10000	0.0028188
Potassium	0	0	1000	5.73E-06	10000	1.3704E-05						
Selenium	0	0	100	0.0003167	1000	3.2226E-04					10000	3.1463E-04
Silver	0	0	20	0.0000615	500	5.686E-05	2000	6.0305E-05				
Sodium	0	0	1000		50000	3.591E-05						
Strontium	0	0	100	0.00136	1000	0.001369					10000	0.001406
Thallium	0	0	100	0.0004057	1000	4.0646E-04					10000	4.2005E-04
Tin	0	0	50	0.0010932	1000	0.0011438					5000	0.0011537
Titanium	0	0	100	0.0001972	1000	1.9326E-04					10000	1.9597E-04
Vanadium	0	0	100	0.0000497	1000	4.957E-05					10000	4.9372E-05
Zinc	0	0	100	0.0061667	1000	0.0062699					10000	0.0062532

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2060001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/27/12 8:37 2/27/12 9:13

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	6.1478E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3107E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4644E-05										
Selenium												
Silver												
Sodium	100000	3.5496E-05	500000	3.559E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2060001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/27/12 8:37 2/27/12 9:13

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	6.1478E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3107E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.4644E-05										
Selenium												
Silver												
Sodium	100000	3.5496E-05	500000	3.559E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2060001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	2/27/12 8:37	2/27/12 9:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.56855E-05	66.66822	3.497863	168.4985	1		0.998	
Antimony	2.95995E-04	66.69744	12.8455	191.2838	0.9999998		0.998	
Arsenic	2.195825E-04	66.72871	0.8275975	120.9817	0.9999969		0.998	
Barium	6.683025E-03	66.72225	0.989245	171.7766	0.99998		0.998	
Beryllium	1.677275E-03	66.66841	7.640358	181.4417	1		0.998	
Boron	1.0773E-05	66.80743	1.791927	43.09804	0.9999849		0.998	
Cadmium	0.011316	66.69794	6.824445	194.5349	0.9999861		0.998	
Calcium	4.779773E-05	66.77326	2.047115	152.0986	0.999986		0.998	
Chromium	3.4243E-05	66.68478	9.212295	158.8862	0.9999996		0.998	
Cobalt	2.805375E-03	66.68939	0.834665	144.7756	0.9999909		0.998	
Copper	3.333675E-05	66.98171	1.996585	60.48676	0.9999966		0.998	
Iron	1.542268E-05	66.74494	50.14374	199.435	0.9999995		0.998	
Lead	8.03325E-04	66.69038	7.188885	189.9523	0.9999918		0.998	
Magnesium	1.815325E-06	66.80356	20.32758	194.9481	0.9997977		0.998	
Manganese	1.98695E-04	66.67559	4.401223	127.4756	0.9999997		0.998	
Molybdenum	0.0023575	66.69096	9.367183	194.9205	0.9999997		0.998	
Nickel	2.105925E-03	66.67006	5.074087	192.1583	0.9999987		0.998	
Potassium	8.5195E-06	81.53371	2.379935	118.623	0.999999		0.998	
Selenium	2.383975E-04	66.68036	17.73907	196.1985	0.9999946		0.998	
Silver	4.466625E-05	66.81198	4.830362	135.9528	0.9997631		0.998	
Sodium	2.6749E-05	66.66996	7.77418	188.4591	0.9999984		0.998	
Strontium	1.03375E-03	66.69447	1.101275	94.63143	0.9999942		0.998	
Thallium	3.080525E-04	66.70101	4.742128	183.7757	0.9999915		0.998	
Tin	8.47675E-04	66.7399	2.494352	178.6229	0.9999979		0.998	
Titanium	1.466075E-04	66.67612	4.017193	179.4358	0.9999976		0.998	
Vanadium	3.71605E-05	66.66766	7.573145	148.8309	0.9999999		0.998	
Zinc	4.67245E-03	66.67369	6.548903	193.1947	0.9999999		0.998	
Aluminum	1.56855E-05	66.66822	3.497863	168.4985	1		0.998	
Antimony	2.95995E-04	66.69744	12.8455	191.2838	0.9999998		0.998	
Arsenic	2.195825E-04	66.72871	0.8275975	120.9817	0.9999969		0.998	
Barium	6.683025E-03	66.72225	0.989245	171.7766	0.99998		0.998	
Beryllium	1.677275E-03	66.66841	7.640358	181.4417	1		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2060001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/27/12 8:37 2/27/12 9:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.0773E-05	66.80743	1.791927	43.09804	0.9999849		0.998	
Cadmium	0.011316	66.69794	6.824445	194.5349	0.9999861		0.998	
Calcium	4.779773E-05	66.77326	2.047115	152.0986	0.999986		0.998	
Chromium	3.4243E-05	66.68478	9.212295	158.8862	0.9999996		0.998	
Cobalt	2.805375E-03	66.68939	0.834665	144.7756	0.9999909		0.998	
Copper	3.333675E-05	66.98171	1.996585	60.48676	0.9999966		0.998	
Iron	1.542268E-05	66.74494	50.14374	199.435	0.9999995		0.998	
Lead	8.03325E-04	66.69038	7.188885	189.9523	0.9999918		0.998	
Magnesium	1.815325E-06	66.80356	20.32758	194.9481	0.9997977		0.998	
Manganese	1.98695E-04	66.67559	4.401223	127.4756	0.9999997		0.998	
Molybdenum	0.0023575	66.69096	9.367183	194.9205	0.9999997		0.998	
Nickel	2.105925E-03	66.67006	5.074087	192.1583	0.9999987		0.998	
Potassium	8.5195E-06	81.53371	2.379935	118.623	0.999999		0.998	
Selenium	2.383975E-04	66.68036	17.73907	196.1985	0.9999946		0.998	
Silver	4.466625E-05	66.81198	4.830362	135.9528	0.9997631		0.998	
Sodium	2.6749E-05	66.66996	7.77418	188.4591	0.9999984		0.998	
Strontium	1.03375E-03	66.69447	1.101275	94.63143	0.9999942		0.998	
Thallium	3.080525E-04	66.70101	4.742128	183.7757	0.9999915		0.998	
Tin	8.47675E-04	66.7399	2.494352	178.6229	0.9999979		0.998	
Titanium	1.466075E-04	66.67612	4.017193	179.4358	0.9999976		0.998	
Vanadium	3.71605E-05	66.66766	7.573145	148.8309	0.9999999		0.998	
Zinc	4.67245E-03	66.67369	6.548903	193.1947	0.9999999		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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_044
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	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2061001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/29/12 8:50 2/29/12 9:26

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.9836E-05	10000	1.9732E-05			500000	1.97618E-05		
Antimony	0	0	100	0.0005616	1000	5.7944E-04					10000	5.8011E-04
Arsenic	0	0	100	0.0003126	1000	3.3555E-04					10000	3.2731E-04
Barium	0	0	50	0.0108112	1000	0.010375	5000	0.0104782				
Beryllium	0	0	100	0.002627	1000	0.0025531					10000	0.0025022
Boron	0	0	50	0.0000126	1000	0.0000126					5000	1.2742E-05
Cadmium	0	0	100	0.015373	1000	0.015536					10000	0.014666
Calcium	0	0	1100	5.697273E-05	50000	5.249E-05					10000	
Chromium	0	0	100	0.0000458	1000	4.413E-05					10000	4.4503E-05
Cobalt	0	0	100	0.0049613	1000	0.0048355					10000	0.0049679
Copper	0	0	100	0.0000623	1000	5.752E-05					10000	5.8775E-05
Iron	0	0	5100	1.735686E-05	10000	1.6665E-05			500000	1.61256E-05	10000	
Lead	0	0	100	0.0012758	1000	0.0012329					10000	0.0012737
Magnesium	0	0	5100		50000	2.2362E-06			500000	2.3002E-06	10000	
Manganese	0	0	100	0.0002525	1000	2.4219E-04	10000	2.3834E-04			10000	
Molybdenum	0	0	100	0.0035477	1000	0.0036508					10000	0.0036177
Nickel	0	0	100	0.0030718	1000	0.0030011					10000	0.003014
Potassium	0	0	1000	8.45E-06	10000	1.2675E-05						
Selenium	0	0	100	0.0003816	1000	3.8769E-04					10000	3.7944E-04
Silver	0	0	20	0.000057	500	5.344E-05	2000	5.5565E-05				
Sodium	0	0	1000		50000	3.7898E-05						
Strontium	0	0	100	0.001541	1000	0.00148					10000	0.001506
Thallium	0	0	100	0.0006355	1000	6.1993E-04					10000	6.3957E-04
Tin	0	0	50	0.0012582	1000	0.0012845					5000	1.29298E-03
Titanium	0	0	100	0.0002142	1000	0.0002035					10000	2.0904E-04
Vanadium	0	0	100	0.0000473	1000	4.635E-05					10000	4.6874E-05
Zinc	0	0	100	0.0066194	1000	0.0066973					10000	0.0065711
Aluminum	0	0	5000	1.9836E-05	10000	1.9732E-05			500000	1.97618E-05		
Antimony	0	0	100	0.0005616	1000	5.7944E-04					10000	5.8011E-04
Arsenic	0	0	100	0.0003126	1000	3.3555E-04					10000	3.2731E-04
Barium	0	0	50	0.0108112	1000	0.010375	5000	0.0104782				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2061001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/29/12 8:50 2/29/12 9:26

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	0.002627	1000	0.0025531					10000	0.0025022
Boron	0	0	50	0.0000126	1000	0.0000126					5000	1.2742E-05
Cadmium	0	0	100	0.015373	1000	0.015536					10000	0.014666
Calcium	0	0	1100	5.697273E-05	50000	5.249E-05					10000	
Chromium	0	0	100	0.0000458	1000	4.413E-05					10000	4.4503E-05
Cobalt	0	0	100	0.0049613	1000	0.0048355					10000	0.0049679
Copper	0	0	100	0.0000623	1000	5.752E-05					10000	5.8775E-05
Iron	0	0	5100	1.735686E-05	10000	1.6665E-05			500000	1.61256E-05	10000	
Lead	0	0	100	0.0012758	1000	0.0012329					10000	0.0012737
Magnesium	0	0	5100		50000	2.2362E-06			500000	2.3002E-06	10000	
Manganese	0	0	100	0.0002525	1000	2.4219E-04	10000	2.3834E-04			10000	
Molybdenum	0	0	100	0.0035477	1000	0.0036508					10000	0.0036177
Nickel	0	0	100	0.0030718	1000	0.0030011					10000	0.003014
Potassium	0	0	1000	8.45E-06	10000	1.2675E-05						
Selenium	0	0	100	0.0003816	1000	3.8769E-04					10000	3.7944E-04
Silver	0	0	20	0.000057	500	5.344E-05	2000	5.5565E-05				
Sodium	0	0	1000		50000	3.7898E-05						
Strontium	0	0	100	0.001541	1000	0.00148					10000	0.001506
Thallium	0	0	100	0.0006355	1000	6.1993E-04					10000	6.3957E-04
Tin	0	0	50	0.0012582	1000	0.0012845					5000	1.29298E-03
Titanium	0	0	100	0.0002142	1000	0.0002035					10000	2.0904E-04
Vanadium	0	0	100	0.0000473	1000	4.635E-05					10000	4.6874E-05
Zinc	0	0	100	0.0066194	1000	0.0066973					10000	0.0065711

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2061001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/29/12 8:50 2/29/12 9:26

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	5.1012E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.1827E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3359E-05										
Selenium												
Silver												
Sodium	100000	3.7433E-05	500000	3.7244E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2061001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/29/12 8:50 2/29/12 9:26

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	5.1012E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.1827E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3359E-05										
Selenium												
Silver												
Sodium	100000	3.7433E-05	500000	3.7244E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2061001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	2/29/12 8:50 2/29/12 9:26

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.483245E-05	66.66732	8.09257	187.8509	1		0.998	
Antimony	4.302875E-04	66.69642	11.17792	193.9594	0.9999999		0.998	
Arsenic	2.43865E-04	66.78021	13.79179	193.2453	0.999992		0.998	
Barium	0.0079161	66.70812	0.9722725	170.2973	0.9999949		0.998	
Beryllium	1.920575E-03	66.72002	12.78566	192.6585	0.9999965		0.998	
Boron	9.4855E-06	66.6704	2.62596	146.0956	0.9999936		0.998	
Cadmium	1.139375E-02	66.749	9.728183	196.8258	0.999967		0.998	
Calcium	4.011868E-05	66.96531	1.783205	143.0418	0.9999923		0.998	
Chromium	3.360825E-05	66.70067	4.32099	162.7839	0.999999		0.998	
Cobalt	3.691175E-03	66.68709	3.74104	191.5186	0.9999926		0.998	
Copper	4.464875E-05	66.82053	1.128035	63.48414	0.999993		0.998	
Iron	1.253687E-05	66.78772	13.68496	191.8063	0.9999995		0.998	
Lead	0.0009456	66.69937	3.069362	186.9677	0.9999894		0.998	
Magnesium	1.679775E-06	66.72796	1.4588	156.3774	0.9998982		0.998	
Manganese	1.832575E-04	66.74642	2.610728	140.8319	0.999998		0.998	
Molybdenum	2.70405E-03	66.68561	15.88452	197.7883	0.999999		0.998	
Nickel	2.271725E-03	66.6804	0.60823	148.302	0.9999996		0.998	
Potassium	8.621E-06	71.26413	1.465552	86.75604	0.9999965		0.998	
Selenium	2.871825E-04	66.67776	5.759965	189.0908	0.9999957		0.998	
Silver	4.150125E-05	66.75973	9.477993	174.4821	0.999893		0.998	
Sodium	2.814375E-05	66.67382	4.493608	183.269	0.9999974		0.998	
Strontium	1.13175E-03	66.70324	1.278575	85.3334	0.9999967		0.998	
Thallium	4.7375E-04	66.6906	6.511357	194.4073	0.9999911		0.998	
Tin	9.5892E-04	66.68455	9.144335	198.183	0.9999986		0.998	
Titanium	1.56685E-04	66.72496	2.14862	159.5206	0.999992		0.998	
Vanadium	3.5131E-05	66.67584	10.43584	188.1323	0.9999986		0.998	
Zinc	4.97195E-03	66.67487	3.054015	186.2431	0.9999964		0.998	
Aluminum	1.483245E-05	66.66732	8.09257	187.8509	1		0.998	
Antimony	4.302875E-04	66.69642	11.17792	193.9594	0.9999999		0.998	
Arsenic	2.43865E-04	66.78021	13.79179	193.2453	0.999992		0.998	
Barium	0.0079161	66.70812	0.9722725	170.2973	0.9999949		0.998	
Beryllium	1.920575E-03	66.72002	12.78566	192.6585	0.9999965		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_044	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2061001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	2/29/12 8:50	2/29/12 9:26

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	9.4855E-06	66.6704	2.62596	146.0956	0.9999936		0.998	
Cadmium	1.139375E-02	66.749	9.728183	196.8258	0.999967		0.998	
Calcium	4.011868E-05	66.96531	1.783205	143.0418	0.9999923		0.998	
Chromium	3.360825E-05	66.70067	4.32099	162.7839	0.999999		0.998	
Cobalt	3.691175E-03	66.68709	3.74104	191.5186	0.9999926		0.998	
Copper	4.464875E-05	66.82053	1.128035	63.48414	0.999993		0.998	
Iron	1.253687E-05	66.78772	13.68496	191.8063	0.9999995		0.998	
Lead	0.0009456	66.69937	3.069362	186.9677	0.9999894		0.998	
Magnesium	1.679775E-06	66.72796	1.4588	156.3774	0.9998982		0.998	
Manganese	1.832575E-04	66.74642	2.610728	140.8319	0.999998		0.998	
Molybdenum	2.70405E-03	66.68561	15.88452	197.7883	0.999999		0.998	
Nickel	2.271725E-03	66.6804	0.60823	148.302	0.9999996		0.998	
Potassium	8.621E-06	71.26413	1.465552	86.75604	0.9999965		0.998	
Selenium	2.871825E-04	66.67776	5.759965	189.0908	0.9999957		0.998	
Silver	4.150125E-05	66.75973	9.477993	174.4821	0.999893		0.998	
Sodium	2.814375E-05	66.67382	4.493608	183.269	0.9999974		0.998	
Strontium	1.13175E-03	66.70324	1.278575	85.3334	0.9999967		0.998	
Thallium	4.7375E-04	66.6906	6.511357	194.4073	0.9999911		0.998	
Tin	9.5892E-04	66.68455	9.144335	198.183	0.9999986		0.998	
Titanium	1.56685E-04	66.72496	2.14862	159.5206	0.999992		0.998	
Vanadium	3.5131E-05	66.67584	10.43584	188.1323	0.9999986		0.998	
Zinc	4.97195E-03	66.67487	3.054015	186.2431	0.9999964		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2062001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	3/1/12 9:23 3/1/12 9:58

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	2.0446E-05	10000	2.0227E-05			500000	2.0114E-05		
Antimony	0	0	100	0.0006026	1000	6.3925E-04					10000	6.2956E-04
Arsenic	0	0	100	0.000321	1000	3.4658E-04					10000	0.0003392
Barium	0	0	50	0.01136	1000	0.01105	5000	0.0111582				
Beryllium	0	0	100	0.002699	1000	0.0026963					10000	0.0026628
Boron	0	0	50	0.0000126	1000	1.275E-05					5000	1.3074E-05
Cadmium	0	0	100	0.015585	1000	0.015885					10000	0.015253
Calcium	0	0	1100	5.554545E-05	50000	5.2456E-05					10000	
Chromium	0	0	100	0.0000468	1000	4.554E-05					10000	4.6919E-05
Cobalt	0	0	100	0.0052672	1000	0.0052695					10000	0.0053826
Copper	0	0	100	0.0000649	1000	6.238E-05					10000	6.381E-05
Iron	0	0	5100	1.743922E-05	10000	1.6604E-05			500000	1.58488E-05	10000	
Lead	0	0	100	0.0013358	1000	0.0013167					10000	0.0013564
Magnesium	0	0	5100		50000	2.2868E-06			500000	2.3248E-06	10000	
Manganese	0	0	100	0.0002517	1000	2.4619E-04	10000	2.4492E-04			10000	
Molybdenum	0	0	100	0.0036853	1000	0.0038232					10000	0.0037998
Nickel	0	0	100	0.0031392	1000	0.0030966					10000	0.0031407
Potassium	0	0	1000	0.0000089	10000	1.2969E-05						
Selenium	0	0	100	0.0003931	1000	4.0691E-04					10000	3.9739E-04
Silver	0	0	20	0.0000585	500	5.468E-05	2000	5.8245E-05				
Sodium	0	0	1000		50000	4.0026E-05						
Strontium	0	0	100	0.001569	1000	0.001548					10000	0.001593
Thallium	0	0	100	0.0006912	1000	6.9243E-04					10000	7.0394E-04
Tin	0	0	50	0.0013022	1000	0.0013525					5000	1.36128E-03
Titanium	0	0	100	0.0002174	1000	2.1293E-04					10000	2.1871E-04
Vanadium	0	0	100	0.0000476	1000	4.719E-05					10000	4.8436E-05
Zinc	0	0	100	0.0068111	1000	0.0069706					10000	0.0068926

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2062001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	3/1/12 9:23 3/1/12 9:58

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	5.0382E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.2309E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3744E-05										
Selenium												
Silver												
Sodium	100000	3.9877E-05	500000	3.9332E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2062001	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	3/1/12 9:23	3/1/12 9:58	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.519675E-05	66.67284	3.308923	165.1881	1		0.998	
Antimony	4.678525E-04	66.749	28.71886	195.8582	0.9999968		0.998	
Arsenic	2.51695E-04	66.80334	11.16536	191.6294	0.9999935		0.998	
Barium	8.39205E-03	66.68424	1.23083	141.8422	0.9999954		0.998	
Beryllium	2.014525E-03	66.67168	16.19737	193.4898	0.9999986		0.998	
Boron	9.606E-06	66.69846	3.965348	156.4813	0.9999723		0.998	
Cadmium	1.168075E-02	66.70328	4.007015	191.1268	0.9999835		0.998	
Calcium	3.959586E-05	66.88163	1.296545	130.3372	0.9999839		0.998	
Chromium	3.481475E-05	66.69075	2.52306	151.756	0.9999912		0.998	
Cobalt	3.979825E-03	66.6804	1.411667	158.8492	0.9999957		0.998	
Copper	4.77725E-05	66.70165	1.833672	98.30543	0.9999935		0.998	
Iron	1.2473E-05	66.86978	12.93568	188.8999	0.9999991		0.998	
Lead	1.002225E-03	66.68629	11.8713	193.8557	0.9999916		0.998	
Magnesium	1.710625E-06	66.70477	18.04781	195.7392	0.9999343		0.998	
Manganese	1.857025E-04	66.6855	1.310207	86.74958	0.9999998		0.998	
Molybdenum	2.827075E-03	66.70073	2.073248	170.9901	0.9999994		0.998	
Nickel	2.344125E-03	66.67237	0.606615	119.8459	0.9999978		0.998	
Potassium	8.90325E-06	70.80852	2.233378	130.2999	0.9999938		0.998	
Selenium	2.9935E-04	66.69454	4.981222	171.1628	0.9999943		0.998	
Silver	4.285625E-05	66.79072	13.37326	177.2695	0.9997341		0.998	
Sodium	2.980875E-05	66.67418	4.788108	178.1375	0.9999928		0.998	
Strontium	0.0011775	66.68495	2.521075	163.6096	0.9999925		0.998	
Thallium	5.218925E-04	66.67573	5.04595	186.7132	0.9999978		0.998	
Tin	1.003995E-03	66.71706	9.213205	191.6146	0.9999987		0.998	
Titanium	1.6226E-04	66.68411	4.55039	176.4753	0.9999929		0.998	
Vanadium	3.58065E-05	66.68239	4.87876	165.6132	0.9999935		0.998	
Zinc	5.168575E-03	66.67858	13.58996	196.6224	0.9999986		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0407

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-01
Sampled:	02/09/12 14:57	Received:	02/13/12 08:00
% 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	2B21007	02/22/12 14:57
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B15012	02/16/12 11:52
71-52-3	Alkalinity, Bicarbonate (as CACO3)	79.5	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 12:20
16887-00-6	Chloride	72.3	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 16:30
NA	Nitrate/Nitrite as N	2.05	0.250	0.750	1.50	1		E353.2	2B13019	02/13/12 13:42
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 12:20
14808-79-8	Sulfate as SO4	64.8	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 16:30

ANALYSIS DATA SHEET

GW0415

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-03
Sampled:	02/09/12 15:01	Received:	02/13/12 08:00
% 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	2B21007	02/22/12 14:58
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B15012	02/16/12 11:53
71-52-3	Alkalinity, Bicarbonate (as CACO3)	105	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 13:33
16887-00-6	Chloride	13.8	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 16:47
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:43
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 13:33
14808-79-8	Sulfate as SO4	32.2	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 16:47

ANALYSIS DATA SHEET

GW0441

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-05
Sampled:	02/10/12 13:00	Received:	02/13/12 08:00
% 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	2B21007	02/22/12 14:59
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B15012	02/16/12 11:54
71-52-3	Alkalinity, Bicarbonate (as CACO3)	98.4	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 13:45
16887-00-6	Chloride	7.35	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 17:05
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B13019	02/13/12 13:45
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 13:45
14808-79-8	Sulfate as SO4	28.3	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 17:05

ANALYSIS DATA SHEET

GW0442

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-07
Sampled:	02/10/12 09:26	Received:	02/13/12 08:00
% 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	2B21007	02/22/12 15:00
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B15012	02/16/12 11:55
71-52-3	Alkalinity, Bicarbonate (as CACO3)	121	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 14:10
16887-00-6	Chloride	12.9	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 17:22
NA	Nitrate/Nitrite as N	0.630	0.250	0.750	1.50	1	J	E353.2	2B13019	02/13/12 13:46
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B21002	02/21/12 14:10
14808-79-8	Sulfate as SO4	35.3	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 17:22

ANALYSIS DATA SHEET

GW0443

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-09
Sampled:	02/10/12 09:26	Received:	02/13/12 08:00
% 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	2B21007	02/22/12 15:01
18496-25-8	Sulfide	0.678	0.678	1.69	3.39	1	J	SM4500S2CF	2B15012	02/16/12 11:56
71-52-3	Alkalinity, Bicarbonate (as CACO3)	118	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 14:24
16887-00-6	Chloride	12.9	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 17:40
NA	Nitrate/Nitrite as N	0.625	0.250	0.750	1.50	1	J	E353.2	2B13019	02/13/12 13:48
3812-32-6	Alkalinity, Carbonate (as CACO3)	3.94	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 14:24
14808-79-8	Sulfate as SO4	35.3	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 17:40

ANALYSIS DATA SHEET

GW0480

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202084-11
Sampled:	02/10/12 11:47	Received:	02/13/12 08:00
% 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	2B21007	02/22/12 15:02
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B15012	02/16/12 11:57
71-52-3	Alkalinity, Bicarbonate (as CACO3)	98.8	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 14:46
16887-00-6	Chloride	10.2	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 19:24
NA	Nitrate/Nitrite as N	0.281	0.250	0.750	1.50	1	J	E353.2	2B13019	02/13/12 13:49
3812-32-6	Alkalinity, Carbonate (as CACO3)	1.58	1.00	1.00	1.00	1		SM2320B	2B21002	02/21/12 14:46
14808-79-8	Sulfate as SO4	30.4	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 19:24

ANALYSIS DATA SHEET

GW0391

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-01
Sampled:	02/13/12 11:48	Received:	02/14/12 09:30
% 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	2B28007	02/29/12 14:43
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B15012	02/16/12 12:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	114	1.00	1.00	1.00	1		SM2320B	2B22002	02/22/12 09:20
16887-00-6	Chloride	8.76	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 19:42
NA	Nitrate/Nitrite as N	0.291	0.250	0.750	1.50	1	J	E353.2	2B17009	02/17/12 11:47
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B22002	02/22/12 09:20
14808-79-8	Sulfate as SO4	29.6	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 19:42

ANALYSIS DATA SHEET

GW0412

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-03
Sampled:	02/13/12 10:10	Received:	02/14/12 09:30
% 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	2B21007	02/22/12 15:03
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B15012	02/16/12 12:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	116	1.00	1.00	1.00	1		SM2320B	2B22002	02/22/12 09:35
16887-00-6	Chloride	38.0	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 19:59
NA	Nitrate/Nitrite as N	0.544	0.250	0.750	1.50	1	J	E353.2	2B17009	02/17/12 11:49
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B22002	02/22/12 09:35
14808-79-8	Sulfate as SO4	62.7	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 19:59

ANALYSIS DATA SHEET

GW0414

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202096-05
Sampled:	02/13/12 13:13	Received:	02/14/12 09:30
% 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	2B21007	02/22/12 15:04
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B15012	02/16/12 12:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2B22002	02/22/12 09:51
16887-00-6	Chloride	15.9	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 20:16
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B17009	02/17/12 11:50
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B22002	02/22/12 09:51
14808-79-8	Sulfate as SO4	42.6	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 20:16

ANALYSIS DATA SHEET

GW0394

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-01
Sampled:	02/13/12 14:12	Received:	02/15/12 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	2B28007	02/29/12 14:44
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2B17018	02/20/12 14:51
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2B22002	02/22/12 11:20
16887-00-6	Chloride	19.2	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 20:34
NA	Nitrate/Nitrite as N	0.252	0.250	0.750	1.50	1	J	E353.2	2B17009	02/17/12 11:51
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B22002	02/22/12 11:20
14808-79-8	Sulfate as SO4	27.7	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 20:34

ANALYSIS DATA SHEET

GW0413

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202099-03
Sampled:	02/13/12 15:33	Received:	02/15/12 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	2B28007	02/29/12 14:45
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B17018	02/20/12 14:51
71-52-3	Alkalinity, Bicarbonate (as CACO3)	124	1.00	1.00	1.00	1		SM2320B	2B22002	02/22/12 11:39
16887-00-6	Chloride	43.7	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 20:51
NA	Nitrate/Nitrite as N	0.760	0.250	0.750	1.50	1	J	E353.2	2B17009	02/17/12 11:53
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B22002	02/22/12 11:39
14808-79-8	Sulfate as SO4	70.9	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 20:51

ANALYSIS DATA SHEET

GW0431

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-01
Sampled:	02/15/12 10:31	Received:	02/16/12 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	2B28007	02/29/12 14:46
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	99.4	1.00	1.00	1.00	1		SM2320B	2B27005	02/27/12 11:20
16887-00-6	Chloride	35.7	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 21:09
NA	Nitrate/Nitrite as N	0.862	0.250	0.750	1.50	1	J	E353.2	2B17009	02/17/12 11:54
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27005	02/27/12 11:20
14808-79-8	Sulfate as SO4	56.6	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 21:09

ANALYSIS DATA SHEET

GW0432

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-03
Sampled:	02/15/12 12:53	Received:	02/16/12 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	2B28007	02/29/12 14:47
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	99.4	1.00	1.00	1.00	1		SM2320B	2B27005	02/27/12 11:27
16887-00-6	Chloride	26.6	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 21:26
NA	Nitrate/Nitrite as N	0.636	0.250	0.750	1.50	1	J	E353.2	2B17009	02/17/12 11:59
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27005	02/27/12 11:27
14808-79-8	Sulfate as SO4	49.3	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 21:26

ANALYSIS DATA SHEET

GW0433

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-05
Sampled:	02/15/12 12:53	Received:	02/16/12 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	2B28007	02/29/12 14:48
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2B27005	02/27/12 11:36
16887-00-6	Chloride	26.6	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 21:43
NA	Nitrate/Nitrite as N	0.652	0.250	0.750	1.50	1	J	E353.2	2B17009	02/17/12 12:00
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27005	02/27/12 11:36
14808-79-8	Sulfate as SO4	49.2	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 21:43

ANALYSIS DATA SHEET

GW0447

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-07
Sampled:	02/15/12 12:33	Received:	02/16/12 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	2B28007	02/29/12 14:49
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	114	1.00	1.00	1.00	1		SM2320B	2B27005	02/27/12 11:45
16887-00-6	Chloride	7.47	0.170	0.330	0.500	1		E300.0	2B17016	02/17/12 22:01
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B17009	02/17/12 12:02
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27005	02/27/12 11:45
14808-79-8	Sulfate as SO4	28.2	0.330	1.00	2.00	1		E300.0	2B17016	02/17/12 22:01

ANALYSIS DATA SHEET

GW0471

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-09
Sampled:	02/14/12 15:22	Received:	02/16/12 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	2B28007	02/29/12 14:50
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	105	1.00	1.00	1.00	1		SM2320B	2B27003	02/27/12 09:31
16887-00-6	Chloride	7.14	0.170	0.330	0.500	1		E300.0	2B21021	02/21/12 22:11
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B17009	02/17/12 12:03
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27003	02/27/12 09:31
14808-79-8	Sulfate as SO4	27.4	0.330	1.00	2.00	1		E300.0	2B21021	02/21/12 22:11

ANALYSIS DATA SHEET

GW0481

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202116-11
Sampled:	02/14/12 14:56	Received:	02/16/12 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	2B28007	02/29/12 14:51
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	94.4	1.00	1.00	1.00	1		SM2320B	2B27003	02/27/12 09:45
16887-00-6	Chloride	7.68	0.170	0.330	0.500	1		E300.0	2B21021	02/21/12 23:56
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B17009	02/17/12 12:05
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27003	02/27/12 09:45
14808-79-8	Sulfate as SO4	28.2	0.330	1.00	2.00	1		E300.0	2B21021	02/21/12 23:56

ANALYSIS DATA SHEET

GW0434

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-01
Sampled:	02/15/12 15:58	Received:	02/17/12 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	0.125	0.110	0.150	0.300	1	J	SM4500NH3BG	2B23002	02/23/12 13:54
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:11
71-52-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	2B27003	02/27/12 10:35
16887-00-6	Chloride	21.7	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 00:13
NA	Nitrate/Nitrite as N	0.469	0.250	0.750	1.50	1	J	E353.2	2B27019	02/27/12 14:45
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27003	02/27/12 10:35
14808-79-8	Sulfate as SO4	55.7	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 00:13

ANALYSIS DATA SHEET

GW0445

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-03
Sampled:	02/16/12 11:13	Received:	02/17/12 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	2B23002	02/23/12 13:55
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:12
71-52-3	Alkalinity, Bicarbonate (as CACO3)	176	1.00	1.00	1.00	1		SM2320B	2B29001	02/29/12 08:53
16887-00-6	Chloride	65.1	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 00:30
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 14:46
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29001	02/29/12 08:53
14808-79-8	Sulfate as SO4	40.8	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 00:30

ANALYSIS DATA SHEET

GW0446

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-05
Sampled:	02/15/12 15:03	Received:	02/17/12 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	0.114	0.110	0.150	0.300	1	J	SM4500NH3BG	2B23002	02/23/12 13:56
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	163	1.00	1.00	1.00	1		SM2320B	2B27003	02/27/12 10:53
16887-00-6	Chloride	26.6	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 00:48
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 14:48
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27003	02/27/12 10:53
14808-79-8	Sulfate as SO4	70.0	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 00:48

ANALYSIS DATA SHEET

GW0469

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-07
Sampled:	02/16/12 14:12	Received:	02/17/12 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	2B23002	02/23/12 13:57
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:14
71-52-3	Alkalinity, Bicarbonate (as CACO3)	146	1.00	1.00	1.00	1		SM2320B	2B29001	02/29/12 09:06
16887-00-6	Chloride	58.6	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 01:05
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 14:49
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29001	02/29/12 09:06
14808-79-8	Sulfate as SO4	46.3	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 01:05

ANALYSIS DATA SHEET

GW0470

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202127-09
Sampled:	02/16/12 11:54	Received:	02/17/12 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	0.191	0.110	0.150	0.300	1	J	SM4500NH3BG	2B23002	02/23/12 13:58
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:15
71-52-3	Alkalinity, Bicarbonate (as CACO3)	112	1.00	1.00	1.00	1		SM2320B	2B29001	02/29/12 09:17
16887-00-6	Chloride	32.7	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 01:23
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 14:50
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29001	02/29/12 09:17
14808-79-8	Sulfate as SO4	37.1	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 01:23

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_044
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

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_044
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

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_044
Project: Kirtland AFB 2011
Calibration: 2051001
Sequence: 2B05105

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05105-ICV1	Nitrate/Nitrite as N	1.200	1.198	99.8	mg/L	+/- 10.00%
2B05105-CCV1	Nitrate/Nitrite as N	1.200	1.180	98.3	mg/L	+/- 10.00%
2B05105-CCV2	Nitrate/Nitrite as N	1.200	1.166	97.2	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_044
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%
2B05210-CCV4	Chloride	25.00	25.57	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.48	102	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_044
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2B05309

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05309-CCV1	Chloride	25.00	25.16	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.79	99.2	mg/L	+/- 10.00%
2B05309-CCV2	Chloride	25.00	25.00	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.72	98.9	mg/L	+/- 10.00%
2B05309-CCV3	Chloride	25.00	25.32	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.10	100	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_044
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%
2B05401-CCV2	Ammonia as N	2.000	2.189	109	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_044
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%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_044
Project: Kirtland AFB 2011
Calibration: 2059002
Sequence: 2B05905

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05905-ICV1	Nitrate/Nitrite as N	1.200	1.158	96.5	mg/L	+/- 10.00%
2B05905-CCV1	Nitrate/Nitrite as N	1.200	1.092	91.0	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_044
Project: Kirtland AFB 2011
Calibration: 2060003
Sequence: 2B06045

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B06045-ICV1	Ammonia as N	2.000	2.131	107	mg/L	+/- 10.00%
2B06045-CCV1	Ammonia as N	2.000	2.147	107	mg/L	+/- 10.00%
2B06045-CCV2	Ammonia as N	2.000	2.175	109	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

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_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2B05309

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2B05309-CRL1	Chloride	0.5000	0.5450	109	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5570	111	mg/L	75 - 125

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B17009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B17009-BLK1	Nitrate/Nitrite as N	-0.0232	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B17018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B17018-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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_044
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
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B21021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B21021-BLK1	Chloride	0.122	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_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B21024

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B21024-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B22002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B22002-BLK1	Alkalinity, Total (as CACO3)	-0.824	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B27003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B27003-BLK1	Alkalinity, Total (as CACO3)	-0.414	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B27005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B27005-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B27019

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B27019-BLK1	Nitrate/Nitrite as N	-0.0144	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B28007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B28007-BLK1	Ammonia as N	0.0641	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B29001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B29001-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05105
Calibration: 2051001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05105-ICB1	Nitrate/Nitrite as N	-0.02343	0.0500	0.300	mg/L	U	E353.2
2B05105-CCB1	Nitrate/Nitrite as N	-0.0331	0.0500	0.300	mg/L	U	E353.2
2B05105-CCB2	Nitrate/Nitrite as N	-0.0325	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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
2B05210-CCB4	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
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05309
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05309-CCB1	Chloride	0.151	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B05309-CCB2	Chloride	0.109	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2B05309-CCB3	Chloride	0.126	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_044
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
2B05401-CCB2	Ammonia as N	-0.0410	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
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

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05905
Calibration: 2059002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05905-ICB1	Nitrate/Nitrite as N	-0.004456	0.0500	0.300	mg/L	U	E353.2
2B05905-CCB1	Nitrate/Nitrite as N	-0.0209	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B06045
Calibration: 2060003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B06045-ICB1	Ammonia as N	-0.002937	0.110	0.300	mg/L	U	SM4500NH3BG
2B06045-CCB1	Ammonia as N	-0.00661	0.110	0.300	mg/L	U	SM4500NH3BG
2B06045-CCB2	Ammonia as N	-0.0101	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0480

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B13019

% Solids:

Source Sample Name: **1202084-11**

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	0.2808	2.845	103		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	2.842	102	0.0879		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0481

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B17009

% Solids:

Source Sample Name: **1202116-11**

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	2.618	105		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	2.581	103	1.44		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0443

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B17016

% Solids:

Source Sample Name: **1202084-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	12.89	38.65	92.8		80 - 120
Sulfate as SO4	27.78	35.30	60.81	91.8		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	41.53	103	7.18		20	80 - 120
Sulfate as SO4	27.78	63.45	101	4.25		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0447

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B17016

% Solids:

Source Sample Name: **1202116-07**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	7.466	33.13	92.4		80 - 120
Sulfate as SO4	27.78	28.18	53.63	91.6		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
Chloride	27.78	35.97	103	8.20		20	80 - 120
Sulfate as SO4	27.78	56.23	101	4.73		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0471

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21021

% Solids:

Source Sample Name: **1202116-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	7.142	33.04	93.2		80 - 120
Sulfate as SO4	27.78	27.44	53.25	92.9		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	35.77	103	7.96		20	80 - 120
Sulfate as SO4	27.78	55.62	101	4.36		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21021

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	32.71	58.71	93.6		80 - 120
Sulfate as SO4	27.78	37.06	62.50	91.6		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	61.10	102	3.98		20	80 - 120
Sulfate as SO4	27.78	64.61	99.2	3.33		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B21024

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1150	ND	1170	102		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1150	1152	100	1.55		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0391

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B22002

% Solids:

Source Sample Name: **1202096-01**

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	113.7	233.9	108		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	222.9	98.3	4.81		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B23002

% Solids:

Source Sample Name: **1202127-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	0.1909	4.553	87.2		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	4.218	80.5	7.64		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27019

% Solids:

Source Sample Name: **1202127-09**

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	ND	2.430	97.2		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	2.416	96.7	0.557		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0391

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28007

% Solids:

Source Sample Name: **1202096-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	0.1172	4.813	93.9		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0470

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B29001

% Solids:

Source Sample Name: **1202127-09**

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	111.8	222.6	99.8		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	226.3	103	1.64		20	75 - 125

GW0443

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B17016
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0443

SDG: Kirtland_044
Project: Kirtland AFB 2011
Laboratory ID: 2B17016-DUP1
Lab Source ID: 1202084-09
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	12.9	12.91	0.147		E300.0
Sulfate as SO4	20	35.3	35.40	0.280		E300.0

GW0447

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B17016
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0447

SDG: Kirtland_044
Project: Kirtland AFB 2011
Laboratory ID: 2B17016-DUP2
Lab Source ID: 1202116-07
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	7.47	7.573	1.42		E300.0
Sulfate as SO4	20	28.2	28.33	0.534		E300.0

GW0471

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B21021
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0471

SDG: Kirtland_044
Project: Kirtland AFB 2011
Laboratory ID: 2B21021-DUP1
Lab Source ID: 1202116-09
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	7.14	7.236	1.31		E300.0
Sulfate as SO4	20	27.4	27.79	1.26		E300.0

DUPLICATES

GW0470

E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_044
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2B21021-DUP2
Batch: 2B21021
Lab Source ID: 1202127-09
Preparation: WC_PREP_ANIONS_W
Initial/Final: 5 mL / 5 mL
Source Sample Name: GW0470
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	32.7	32.74	0.0764		E300.0
Sulfate as SO4	20	37.1	37.06	0.00270		E300.0

GW0394

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B28007
Preparation: pNone
Source Sample Name: GW0394

SDG: Kirtland_044
Project: Kirtland AFB 2011
Laboratory ID: 2B28007-DUP1
Lab Source ID: 1202099-01
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.300 U	0.300 U			SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17009	Laboratory ID:	2B17009-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	1.616	95.6	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B17018	Laboratory ID:	2B17018-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	1183	103	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1150	1200	104	1.40	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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_044
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

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21021	Laboratory ID:	2B21021-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	4.997	104	90 - 110
Sulfate as SO4	24.00	24.46	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21024	Laboratory ID:	2B21024-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	1283	112	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B22002	Laboratory ID:	2B22002-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	1114	111	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27003	Laboratory ID:	2B27003-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	1029	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27005	Laboratory ID:	2B27005-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	900.4	90.0	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27019	Laboratory ID:	2B27019-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	1.573	93.1	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28007	Laboratory ID:	2B28007-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	4.589	91.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B29001	Laboratory ID:	2B29001-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	1049	105	80 - 120

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/13/12 12:20	4.00	20.00
GW0415	1202084-03	02/13/12 12:20	4.00	20.00
GW0441	1202084-05	02/13/12 12:20	4.00	20.00
GW0442	1202084-07	02/13/12 12:20	4.00	20.00
GW0443	1202084-09	02/13/12 12:20	4.00	20.00
GW0480	1202084-11	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
GW0480	2B13019-MS2	02/13/12 12:20	4.00	20.00
GW0480	2B13019-MSD2	02/13/12 12:20	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/15/12 10:24	295.00	200.00
GW0415	1202084-03	02/15/12 10:24	290.00	200.00
GW0441	1202084-05	02/15/12 10:24	295.00	200.00
GW0442	1202084-07	02/15/12 10:24	270.00	200.00
GW0443	1202084-09	02/15/12 10:24	295.00	200.00
GW0480	1202084-11	02/15/12 10:24	295.00	200.00
GW0391	1202096-01	02/15/12 10:24	270.00	200.00
GW0412	1202096-03	02/15/12 10:24	270.00	200.00
GW0414	1202096-05	02/15/12 10:24	270.00	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

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B17009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/17/12 09:30	4.00	20.00
GW0412	1202096-03	02/17/12 09:30	4.00	20.00
GW0414	1202096-05	02/17/12 09:30	4.00	20.00
GW0394	1202099-01	02/17/12 09:30	4.00	20.00
GW0413	1202099-03	02/17/12 09:30	4.00	20.00
GW0431	1202116-01	02/17/12 09:30	4.00	20.00
GW0432	1202116-03	02/17/12 09:30	4.00	20.00
GW0433	1202116-05	02/17/12 09:30	4.00	20.00
GW0447	1202116-07	02/17/12 09:30	4.00	20.00
GW0471	1202116-09	02/17/12 09:30	4.00	20.00
GW0481	1202116-11	02/17/12 09:30	4.00	20.00
Blank	2B17009-BLK1	02/17/12 09:30	20.00	20.00
LCS	2B17009-BS1	02/17/12 09:30	20.00	20.00
GW0481	2B17009-MS1	02/17/12 09:30	4.00	20.00
GW0481	2B17009-MSD1	02/17/12 09:30	4.00	20.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/17/12 11:01	5.00	5.00
GW0415	1202084-03	02/17/12 11:01	5.00	5.00
GW0441	1202084-05	02/17/12 11:01	5.00	5.00
GW0442	1202084-07	02/17/12 11:01	5.00	5.00
GW0443	1202084-09	02/17/12 11:01	5.00	5.00
GW0480	1202084-11	02/17/12 11:01	5.00	5.00
GW0391	1202096-01	02/17/12 11:01	5.00	5.00
GW0412	1202096-03	02/17/12 11:01	5.00	5.00
GW0414	1202096-05	02/17/12 11:01	5.00	5.00
GW0394	1202099-01	02/17/12 11:01	5.00	5.00
GW0413	1202099-03	02/17/12 11:01	5.00	5.00
GW0431	1202116-01	02/17/12 11:01	5.00	5.00
GW0432	1202116-03	02/17/12 11:01	5.00	5.00
GW0433	1202116-05	02/17/12 11:01	5.00	5.00
GW0447	1202116-07	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
GW0443	2B17016-DUP1	02/17/12 11:01	5.00	5.00
GW0447	2B17016-DUP2	02/17/12 11:01	5.00	5.00
GW0443	2B17016-MS1	02/17/12 11:01	22.50	25.00
GW0447	2B17016-MS2	02/17/12 11:01	22.50	25.00
GW0443	2B17016-MSD1	02/17/12 11:01	22.50	25.00
GW0447	2B17016-MSD2	02/17/12 11:01	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B17018 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0394	1202099-01	02/20/12 12:08	290.00	200.00
GW0413	1202099-03	02/20/12 12:08	270.00	200.00
Blank	2B17018-BLK1	02/20/12 12:08	250.00	200.00
LCS	2B17018-BS1	02/20/12 12:08	3.00	250.00
LCS Dup	2B17018-BSD1	02/20/12 12:08	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/21/12 07:24	25.00	25.00
GW0415	1202084-03	02/21/12 07:24	25.00	25.00
GW0441	1202084-05	02/21/12 07:24	25.00	25.00
GW0442	1202084-07	02/21/12 07:24	25.00	25.00
GW0443	1202084-09	02/21/12 07:24	25.00	25.00
GW0480	1202084-11	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

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0407	1202084-01	02/21/12 08:06	100.00	100.00
GW0415	1202084-03	02/21/12 08:06	100.00	100.00
GW0441	1202084-05	02/21/12 08:06	100.00	100.00
GW0442	1202084-07	02/21/12 08:06	100.00	100.00
GW0443	1202084-09	02/21/12 08:06	100.00	100.00
GW0480	1202084-11	02/21/12 08:06	100.00	100.00
GW0412	1202096-03	02/21/12 08:06	100.00	100.00
GW0414	1202096-05	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

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B21021 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0471	1202116-09	02/21/12 13:02	5.00	5.00
GW0481	1202116-11	02/21/12 13:02	5.00	5.00
GW0434	1202127-01	02/21/12 13:02	5.00	5.00
GW0445	1202127-03	02/21/12 13:02	5.00	5.00
GW0446	1202127-05	02/21/12 13:02	5.00	5.00
GW0469	1202127-07	02/21/12 13:02	5.00	5.00
GW0470	1202127-09	02/21/12 13:02	5.00	5.00
Blank	2B21021-BLK1	02/21/12 13:02	5.00	5.00
LCS	2B21021-BS1	02/21/12 13:02	5.00	5.00
GW0471	2B21021-DUP1	02/21/12 13:02	5.00	5.00
GW0470	2B21021-DUP2	02/21/12 13:02	5.00	5.00
GW0471	2B21021-MS1	02/21/12 13:02	22.50	25.00
GW0470	2B21021-MS2	02/21/12 13:02	22.50	25.00
GW0471	2B21021-MSD1	02/21/12 13:02	22.50	25.00
GW0470	2B21021-MSD2	02/21/12 13:02	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B21024 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0431	1202116-01	02/21/12 14:00	270.00	200.00
GW0432	1202116-03	02/21/12 14:00	270.00	200.00
GW0433	1202116-05	02/21/12 14:00	270.00	200.00
GW0447	1202116-07	02/21/12 14:00	270.00	200.00
GW0471	1202116-09	02/21/12 14:00	270.00	200.00
GW0481	1202116-11	02/21/12 14:00	270.00	200.00
GW0434	1202127-01	02/21/12 14:00	270.00	200.00
GW0445	1202127-03	02/21/12 14:00	270.00	200.00
GW0446	1202127-05	02/21/12 14:00	270.00	200.00
GW0469	1202127-07	02/21/12 14:00	270.00	200.00
GW0470	1202127-09	02/21/12 14:00	270.00	200.00
Blank	2B21024-BLK1	02/21/12 14:00	250.00	200.00
LCS	2B21024-BS1	02/21/12 14:00	3.00	250.00
GW0470	2B21024-MS1	02/21/12 14:00	3.00	270.00
GW0470	2B21024-MSD1	02/21/12 14:00	3.00	270.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B22002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/22/12 07:14	25.00	25.00
GW0412	1202096-03	02/22/12 07:14	25.00	25.00
GW0414	1202096-05	02/22/12 07:14	25.00	25.00
GW0394	1202099-01	02/22/12 07:14	25.00	25.00
GW0413	1202099-03	02/22/12 07:14	25.00	25.00
Blank	2B22002-BLK1	02/22/12 07:14	25.00	25.00
LCS	2B22002-BS1	02/22/12 07:14	5.00	25.00
GW0391	2B22002-MS1	02/22/12 07:14	22.50	25.00
GW0391	2B22002-MSD1	02/22/12 07:14	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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.
GW0434	1202127-01	02/23/12 07:25	100.00	100.00
GW0445	1202127-03	02/23/12 07:25	100.00	100.00
GW0446	1202127-05	02/23/12 07:25	100.00	100.00
GW0469	1202127-07	02/23/12 07:25	100.00	100.00
GW0470	1202127-09	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
GW0470	2B23002-MS2	02/23/12 07:25	100.00	100.00
GW0470	2B23002-MSD2	02/23/12 07:25	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B27003 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0471	1202116-09	02/27/12 07:21	25.00	25.00
GW0481	1202116-11	02/27/12 07:21	25.00	25.00
GW0434	1202127-01	02/27/12 07:21	25.00	25.00
GW0446	1202127-05	02/27/12 07:21	25.00	25.00
Blank	2B27003-BLK1	02/27/12 07:21	25.00	25.00
LCS	2B27003-BS1	02/27/12 07:21	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B27005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0431	1202116-01	02/27/12 07:29	25.00	25.00
GW0432	1202116-03	02/27/12 07:29	25.00	25.00
GW0433	1202116-05	02/27/12 07:29	25.00	25.00
GW0447	1202116-07	02/27/12 07:29	25.00	25.00
Blank	2B27005-BLK1	02/27/12 07:29	25.00	25.00
LCS	2B27005-BS1	02/27/12 07:29	5.00	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B27019 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0434	1202127-01	02/27/12 13:23	4.00	20.00
GW0445	1202127-03	02/27/12 13:23	4.00	20.00
GW0446	1202127-05	02/27/12 13:23	4.00	20.00
GW0469	1202127-07	02/27/12 13:23	4.00	20.00
GW0470	1202127-09	02/27/12 13:23	4.00	20.00
Blank	2B27019-BLK1	02/27/12 13:23	20.00	20.00
LCS	2B27019-BS1	02/27/12 13:23	20.00	20.00
GW0470	2B27019-MS1	02/27/12 13:23	4.00	20.00
GW0470	2B27019-MSD1	02/27/12 13:23	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B28007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0391	1202096-01	02/28/12 07:28	100.00	100.00
GW0394	1202099-01	02/28/12 07:28	100.00	100.00
GW0413	1202099-03	02/28/12 07:28	100.00	100.00
GW0431	1202116-01	02/28/12 07:28	100.00	100.00
GW0432	1202116-03	02/28/12 07:28	100.00	100.00
GW0433	1202116-05	02/28/12 07:28	100.00	100.00
GW0447	1202116-07	02/28/12 07:28	100.00	100.00
GW0471	1202116-09	02/28/12 07:28	100.00	100.00
GW0481	1202116-11	02/28/12 07:28	100.00	100.00
Blank	2B28007-BLK1	02/28/12 07:28	100.00	100.00
LCS	2B28007-BS1	02/28/12 07:28	100.00	100.00
GW0394	2B28007-DUP1	02/28/12 07:28	100.00	100.00
GW0391	2B28007-MS1	02/28/12 07:28	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_044

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

Batch: 2B29001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0445	1202127-03	02/29/12 07:13	25.00	25.00
GW0469	1202127-07	02/29/12 07:13	25.00	25.00
GW0470	1202127-09	02/29/12 07:13	25.00	25.00
Blank	2B29001-BLK1	02/29/12 07:13	25.00	25.00
LCS	2B29001-BS1	02/29/12 07:13	5.00	25.00
GW0470	2B29001-MS1	02/29/12 07:13	22.50	25.00
GW0470	2B29001-MSD1	02/29/12 07:13	22.50	25.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2B21002-BS1	022112-003	02/21/12 09:00
Blank	2B21002-BLK1	022112-004	02/21/12 09:30
LCS	2B22002-BS1	022212-003	02/22/12 08:45
Blank	2B22002-BLK1	022212-004	02/22/12 09:00
GW0391	2B22002-MS1	022212-005	02/22/12 09:03
GW0391	2B22002-MSD1	022212-006	02/22/12 09:14
Blank	2B27003-BLK1	022712-003	02/27/12 08:47
LCS	2B27003-BS1	022712-004	02/27/12 08:52
Blank	2B27005-BLK1	022712B-004	02/27/12 10:24
LCS	2B27005-BS1	022712B-003	02/27/12 10:31
LCS	2B29001-BS1	022912-003	02/29/12 08:20
Blank	2B29001-BLK1	022912-004	02/29/12 08:28
GW0470	2B29001-MS1	022912-005	02/29/12 08:32
GW0470	2B29001-MSD1	022912-006	02/29/12 08:40

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_044

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	2B15012-BLK1	021612-003	02/16/12 11:45
LCS	2B15012-BS1	021612-002	02/16/12 11:46
LCS Dup	2B17018-BSD1	021712-003	02/20/12 14:51
LCS	2B17018-BS1	021712-002	02/20/12 14:51
Blank	2B17018-BLK1	021712-004	02/20/12 14:51
LCS	2B21024-BS1	022112-002	02/21/12 16:00
Blank	2B21024-BLK1	022112-003	02/21/12 16:03
GW0470	2B21024-MS1	022112-015	02/21/12 16:16
GW0470	2B21024-MSD1	022112-016	02/21/12 16:17

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
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
GW0407	1202084-01	M_2-13-2012_01-01-16PM-02	02/13/12 13:42
GW0415	1202084-03	M_2-13-2012_01-01-16PM-02	02/13/12 13:43
GW0441	1202084-05	M_2-13-2012_01-01-16PM-03	02/13/12 13:45
GW0442	1202084-07	M_2-13-2012_01-01-16PM-03	02/13/12 13:46
GW0443	1202084-09	M_2-13-2012_01-01-16PM-03	02/13/12 13:48
GW0480	1202084-11	M_2-13-2012_01-01-16PM-03	02/13/12 13:49
GW0480	2B13019-MS2	M_2-13-2012_01-01-16PM-03	02/13/12 13:51
GW0480	2B13019-MSD2	M_2-13-2012_01-01-16PM-03	02/13/12 13:52
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

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05105	Instrument:	WC-Lachat
Calibration:	2051001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05105-CAL1	M_2-17-2012_11-27-35AM-00	02/17/12 11:28
Cal Standard	2B05105-CAL2	M_2-17-2012_11-27-35AM-00	02/17/12 11:30
Cal Standard	2B05105-CAL3	M_2-17-2012_11-27-35AM-00	02/17/12 11:31
Cal Standard	2B05105-CAL4	M_2-17-2012_11-27-35AM-00	02/17/12 11:32
Cal Standard	2B05105-CAL5	M_2-17-2012_11-27-35AM-00	02/17/12 11:34
Cal Standard	2B05105-CAL6	M_2-17-2012_11-27-35AM-00	02/17/12 11:35
Cal Standard	2B05105-CAL7	M_2-17-2012_11-27-35AM-00	02/17/12 11:37
Cal Standard	2B05105-CAL8	M_2-17-2012_11-27-35AM-00	02/17/12 11:38
Initial Cal Check	2B05105-ICV1	M_2-17-2012_11-27-35AM-00	02/17/12 11:40
Initial Cal Blank	2B05105-ICB1	M_2-17-2012_11-27-35AM-01	02/17/12 11:41
Blank	2B17009-BLK1	M_2-17-2012_11-27-35AM-01	02/17/12 11:44
LCS	2B17009-BS1	M_2-17-2012_11-27-35AM-01	02/17/12 11:46
GW0391	1202096-01	M_2-17-2012_11-27-35AM-01	02/17/12 11:47
GW0412	1202096-03	M_2-17-2012_11-27-35AM-01	02/17/12 11:49
GW0414	1202096-05	M_2-17-2012_11-27-35AM-01	02/17/12 11:50
GW0394	1202099-01	M_2-17-2012_11-27-35AM-01	02/17/12 11:51
GW0413	1202099-03	M_2-17-2012_11-27-35AM-01	02/17/12 11:53
GW0431	1202116-01	M_2-17-2012_11-27-35AM-01	02/17/12 11:54
Calibration Check	2B05105-CCV1	M_2-17-2012_11-27-35AM-02	02/17/12 11:56
Calibration Blank	2B05105-CCB1	M_2-17-2012_11-27-35AM-02	02/17/12 11:57
GW0432	1202116-03	M_2-17-2012_11-27-35AM-02	02/17/12 11:59
GW0433	1202116-05	M_2-17-2012_11-27-35AM-02	02/17/12 12:00
GW0447	1202116-07	M_2-17-2012_11-27-35AM-02	02/17/12 12:02
GW0471	1202116-09	M_2-17-2012_11-27-35AM-02	02/17/12 12:03
GW0481	1202116-11	M_2-17-2012_11-27-35AM-02	02/17/12 12:05
GW0481	2B17009-MS1	M_2-17-2012_11-27-35AM-02	02/17/12 12:06
GW0481	2B17009-MSD1	M_2-17-2012_11-27-35AM-02	02/17/12 12:07
Calibration Check	2B05105-CCV2	M_2-17-2012_11-27-35AM-03	02/17/12 12:12
Calibration Blank	2B05105-CCB2	M_2-17-2012_11-27-35AM-03	02/17/12 12:13

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
GW0407	1202084-01	021712-017	02/17/12 16:30
GW0415	1202084-03	021712-018	02/17/12 16:47
GW0441	1202084-05	021712-019	02/17/12 17:05
GW0442	1202084-07	021712-020	02/17/12 17:22
GW0443	1202084-09	021712-021	02/17/12 17:40
GW0443	2B17016-MS1	021712-022	02/17/12 17:57
GW0443	2B17016-MSD1	021712-023	02/17/12 18:15
GW0443	2B17016-DUP1	021712-024	02/17/12 18:32
Calibration Check	2B05210-CCV3	021712-025	02/17/12 18:49
Calibration Blank	2B05210-CCB3	021712-026	02/17/12 19:07
GW0480	1202084-11	021712-027	02/17/12 19:24
GW0391	1202096-01	021712-028	02/17/12 19:42
GW0412	1202096-03	021712-029	02/17/12 19:59
GW0414	1202096-05	021712-030	02/17/12 20:16
GW0394	1202099-01	021712-031	02/17/12 20:34
GW0413	1202099-03	021712-032	02/17/12 20:51
GW0431	1202116-01	021712-033	02/17/12 21:09
GW0432	1202116-03	021712-034	02/17/12 21:26
GW0433	1202116-05	021712-035	02/17/12 21:43
GW0447	1202116-07	021712-036	02/17/12 22:01
GW0447	2B17016-MS2	021712-037	02/17/12 22:18
GW0447	2B17016-MSD2	021712-038	02/17/12 22:36
GW0447	2B17016-DUP2	021712-039	02/17/12 22:53
Calibration Check	2B05210-CCV4	021712-045	02/18/12 00:38
Calibration Blank	2B05210-CCB4	021712-046	02/18/12 00:55

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05309	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05309-CCV1	022112-012	02/21/12 17:15
Calibration Blank	2B05309-CCB1	022112-013	02/21/12 17:32
Instrument RL Check	2B05309-CRL1	022112-014	02/21/12 17:50
LCS	2B21021-BS1	022112-017	02/21/12 18:42
Blank	2B21021-BLK1	022112-018	02/21/12 19:00
GW0471	1202116-09	022112-029	02/21/12 22:11
GW0471	2B21021-MS1	022112-030	02/21/12 22:28
GW0471	2B21021-MSD1	022112-031	02/21/12 22:46
GW0471	2B21021-DUP1	022112-032	02/21/12 23:03
Calibration Check	2B05309-CCV2	022112-033	02/21/12 23:21
Calibration Blank	2B05309-CCB2	022112-034	02/21/12 23:38
GW0481	1202116-11	022112-035	02/21/12 23:56
GW0434	1202127-01	022112-036	02/22/12 00:13
GW0445	1202127-03	022112-037	02/22/12 00:30
GW0446	1202127-05	022112-038	02/22/12 00:48
GW0469	1202127-07	022112-039	02/22/12 01:05
GW0470	1202127-09	022112-040	02/22/12 01:23
GW0470	2B21021-MS2	022112-041	02/22/12 01:40
GW0470	2B21021-MSD2	022112-042	02/22/12 01:57
GW0470	2B21021-DUP2	022112-043	02/22/12 02:15
Calibration Check	2B05309-CCV3	022112-044	02/22/12 02:32
Calibration Blank	2B05309-CCB3	022112-045	02/22/12 02:50

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
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
GW0407	1202084-01	M_2-22-2012_02-32-08PM-02	02/22/12 14:57
GW0415	1202084-03	M_2-22-2012_02-32-08PM-02	02/22/12 14:58
GW0441	1202084-05	M_2-22-2012_02-32-08PM-02	02/22/12 14:59
GW0442	1202084-07	M_2-22-2012_02-32-08PM-03	02/22/12 15:00
GW0443	1202084-09	M_2-22-2012_02-32-08PM-03	02/22/12 15:01
GW0480	1202084-11	M_2-22-2012_02-32-08PM-03	02/22/12 15:02
GW0412	1202096-03	M_2-22-2012_02-32-08PM-03	02/22/12 15:03
GW0414	1202096-05	M_2-22-2012_02-32-08PM-03	02/22/12 15:04
Calibration Check	2B05401-CCV2	M_2-22-2012_02-32-08PM-03	02/22/12 15:07
Calibration Blank	2B05401-CCB2	M_2-22-2012_02-32-08PM-03	02/22/12 15:08

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
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
Initial Cal Blank	2B05410-ICB1	M_2-23-2012_01-40-12PM-01	02/23/12 13:50
Blank	2B23002-BLK1	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
GW0434	1202127-01	M_2-23-2012_01-40-12PM-01	02/23/12 13:54
GW0445	1202127-03	M_2-23-2012_01-40-12PM-01	02/23/12 13:55
GW0446	1202127-05	M_2-23-2012_01-40-12PM-01	02/23/12 13:56
GW0469	1202127-07	M_2-23-2012_01-40-12PM-01	02/23/12 13:57
GW0470	1202127-09	M_2-23-2012_01-40-12PM-01	02/23/12 13:58
GW0470	2B23002-MS2	M_2-23-2012_01-40-12PM-02	02/23/12 13:59
GW0470	2B23002-MSD2	M_2-23-2012_01-40-12PM-02	02/23/12 14:00
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

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05905	Instrument:	WC-Lachat
Calibration:	2059002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05905-CAL1	M_2-27-2012_02-24-09PM-00	02/27/12 14:26
Cal Standard	2B05905-CAL2	M_2-27-2012_02-24-09PM-00	02/27/12 14:27
Cal Standard	2B05905-CAL3	M_2-27-2012_02-24-09PM-00	02/27/12 14:29
Cal Standard	2B05905-CAL4	M_2-27-2012_02-24-09PM-00	02/27/12 14:30
Cal Standard	2B05905-CAL5	M_2-27-2012_02-24-09PM-00	02/27/12 14:32
Cal Standard	2B05905-CAL6	M_2-27-2012_02-24-09PM-00	02/27/12 14:33
Cal Standard	2B05905-CAL7	M_2-27-2012_02-24-09PM-00	02/27/12 14:34
Cal Standard	2B05905-CAL8	M_2-27-2012_02-24-09PM-00	02/27/12 14:36
Initial Cal Check	2B05905-ICV1	M_2-27-2012_02-24-09PM-00	02/27/12 14:37
Initial Cal Blank	2B05905-ICB1	M_2-27-2012_02-24-09PM-01	02/27/12 14:39
Blank	2B27019-BLK1	M_2-27-2012_02-24-09PM-01	02/27/12 14:42
LCS	2B27019-BS1	M_2-27-2012_02-24-09PM-01	02/27/12 14:43
GW0434	1202127-01	M_2-27-2012_02-24-09PM-01	02/27/12 14:45
GW0445	1202127-03	M_2-27-2012_02-24-09PM-01	02/27/12 14:46
GW0446	1202127-05	M_2-27-2012_02-24-09PM-01	02/27/12 14:48
GW0469	1202127-07	M_2-27-2012_02-24-09PM-01	02/27/12 14:49
GW0470	1202127-09	M_2-27-2012_02-24-09PM-01	02/27/12 14:50
GW0470	2B27019-MS1	M_2-27-2012_02-24-09PM-01	02/27/12 14:52
GW0470	2B27019-MSD1	M_2-27-2012_02-24-09PM-02	02/27/12 14:53
Calibration Check	2B05905-CCV1	M_2-27-2012_02-24-09PM-02	02/27/12 15:02
Calibration Blank	2B05905-CCB1	M_2-27-2012_02-24-09PM-02	02/27/12 15:03

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_044
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06045	Instrument:	WC-Lachat
Calibration:	2060003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B06045-CAL2	M_2-29-2012_02-31-34PM-00	02/29/12 14:33
Cal Standard	2B06045-CAL3	M_2-29-2012_02-31-34PM-00	02/29/12 14:34
Cal Standard	2B06045-CAL4	M_2-29-2012_02-31-34PM-00	02/29/12 14:35
Cal Standard	2B06045-CAL5	M_2-29-2012_02-31-34PM-00	02/29/12 14:36
Cal Standard	2B06045-CAL6	M_2-29-2012_02-31-34PM-00	02/29/12 14:37
Cal Standard	2B06045-CAL7	M_2-29-2012_02-31-34PM-00	02/29/12 14:38
Initial Cal Check	2B06045-ICV1	M_2-29-2012_02-31-34PM-00	02/29/12 14:39
Cal Standard	2B06045-CAL8	M_2-29-2012_02-31-34PM-00	02/29/12 14:39
Initial Cal Blank	2B06045-ICB1	M_2-29-2012_02-31-34PM-01	02/29/12 14:40
Blank	2B28007-BLK1	M_2-29-2012_02-31-34PM-01	02/29/12 14:41
LCS	2B28007-BS1	M_2-29-2012_02-31-34PM-01	02/29/12 14:42
GW0391	1202096-01	M_2-29-2012_02-31-34PM-01	02/29/12 14:43
GW0394	1202099-01	M_2-29-2012_02-31-34PM-01	02/29/12 14:44
GW0413	1202099-03	M_2-29-2012_02-31-34PM-01	02/29/12 14:45
GW0431	1202116-01	M_2-29-2012_02-31-34PM-01	02/29/12 14:46
GW0432	1202116-03	M_2-29-2012_02-31-34PM-01	02/29/12 14:47
GW0433	1202116-05	M_2-29-2012_02-31-34PM-01	02/29/12 14:48
GW0447	1202116-07	M_2-29-2012_02-31-34PM-01	02/29/12 14:49
GW0471	1202116-09	M_2-29-2012_02-31-34PM-02	02/29/12 14:50
GW0481	1202116-11	M_2-29-2012_02-31-34PM-02	02/29/12 14:51
Calibration Check	2B06045-CCV1	M_2-29-2012_02-31-34PM-02	02/29/12 14:53
Calibration Blank	2B06045-CCB1	M_2-29-2012_02-31-34PM-02	02/29/12 14:54
GW0391	2B28007-MS1	M_2-29-2012_02-31-34PM-03	02/29/12 15:04
GW0394	2B28007-DUP1	M_2-29-2012_02-31-34PM-03	02/29/12 15:05
Calibration Check	2B06045-CCV2	M_2-29-2012_02-31-34PM-03	02/29/12 15:06
Calibration Blank	2B06045-CCB2	M_2-29-2012_02-31-34PM-03	02/29/12 15:07