ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_045

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

SUBMITTAL TO:
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Original Report Date: March 14, 2012
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 813

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:
Note – Sample 1202153-09 was analyzed at a 2x only due to the sample foaming on the instrument during screening.

The following matrix spikes exceeded relative percent difference criteria:
2B28001-MS1/MSD1 (1202159-05) for Bromomethane

The following continuing calibration verifications exceeded criteria:
2B05502-CCV1 with a positive bias for Dichlorodifluoromethane and a negative bias for Hexachlorobutadiene and 1,2,3-Trichlorobenzene
2B05903-CCV1 with a positive bias for Dichlorodifluoromethane and a negative bias for Hexachlorobutadiene, Naphthalene, and 1,2,3-Trichlorobenzene
2B05911-CCV1 with a negative bias for Acetone
2B06039-CCV1 with a negative bias for Acetone

The following blanks have positive results; note – all positive results are less than the LOD:
2B23009-BLK1 for Naphthalene and 1,2,4-Trichlorobenzene
2B24009-BLK1 for Naphthalene and 1,2,4-Trichlorobenzene
2B27011-BLK1 for 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:
Note – Several or all surrogates are diluted out in samples 1202137-01RE1, -03RE1, 1202153-05RE1, 1202159-03RE1
2-Fluorobiphenyl with a negative bias in 1202137-05, 1202153-05
2-Fluorophenol with a negative bias in 1202153-07
Nitrobenzene-d5 with a negative bias in 1202137-01, 1202153-07
Phenol-d6 with a positive bias in 1202153-05
2,4,6-Tribromophenol with a positive bias in 2B21009-BS1

The following batch spikes exceeded criteria:
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
2B23003-BS1/BSD1 with a negative bias for Caprolactam and exceeded relative percent difference criteria for Benzoic Acid
2B27002-BS1 with a negative bias for Caprolactam

The following matrix spikes exceeded criteria:
2B27002-MSD1 (1202159-05) with a negative bias for Caprolactam

The following continuing calibration verifications exceeded criteria:
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
2B05915-CCV1 with a negative bias for 2,2'-Oxybis-1-chloropropane, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 4-Nitroaniline, 2-Nitroaniline, 4-Nitrophenol, N-nitroso-di-n-propylamine, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol

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

SW8015B DRO:
The following continuing calibration verification exceeded criteria:
2B06036-CCV2 with a positive bias for o-Terphenyl

The following surrogate exceeded the retention time window:
o-Terphenyl in 2B21004-BLK1; note – the result bias due to retention time shift was determined to be negligible in 2B21004-BLK1

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

SW8015B GRO:
The following continuing calibration verification exceeded criteria:
2B05506-CCV1 with a positive bias for Bromofluorobenzene

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

SW8011:
No anomalies or deviations are noted.

SW6010B:
The following post spike exceeded criteria:
2C05004-PS1 (1202159-05) with a negative bias for Calcium

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

Wet Chemistry:
The following blank has positive results:
2C06712-CCB1 for Chloride

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

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

Analytical Report Terms and Qualifiers

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

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1202137

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW179

12

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

Samples Shipment Date: 17 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617155

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: 2/17/12 Time: 1600
1. Received By (Signature/Affiliation) — Date: Time:
2. Relinquished By (Signature/Affiliation) — Date: Time:
2. Received By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:
3. Received By (Signature/Affiliation) — Date: 2/18/12 Time: 835

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	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
Ø2	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Kirtland_045 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW179

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0389	KAFB-106010-WG-GW0389-REG	16 FEB 2012	15:09	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0390	KAFB-106010-WG-GW0390-FD	16 FEB 2012	15:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0444	KAFB-106064-WG-GW0444-REG	17 FEB 2012	11:07	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
Dup 07	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

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1202137

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW179

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0449	KAFB-106068-WG-GW0449-REG	17 FEB 2012	11:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
09	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
10	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0450	KAFB-106068-WG-GW0450-FD	17 FEB 2012	11:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW8179-TB	FIELDQC-BW-GW8179-TB-TB	17 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/18/12 @ 0835

1. Tracking # 7155 (last 4 digits, FedEx) WO# 1202137

Courier: ___Fed-Ex

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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) BW

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) BW

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

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_ 02/18/12 @ 0835

1. Tracking # 7166 (last 4 digits, FedEx) WO# 1202137

Courier: ___Fed-Ex

2. Temperature of rep. sample or temp blank when opened: 3.0 *Degrees Celsius + correction factor 0.0* = 3.0

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) 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) KB

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) KB

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) KB

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

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

Additional Details:

Cooler Received/Opened On_ 02/18/12 @ 0835

1. Tracking #_7177_____(last 4 digits, FedEx) WO# 1202137

Courier: ___Fed-Ex

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

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

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

If yes, how many and where: (FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Shaw
Shaw E & I, Inc.

1202147

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW180

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

Samples Shipment Date: 21 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617188

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: 2/21/12 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: 02/22/12 Time: 0820

Comments:

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

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1202147

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW180

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
02	GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0451	KAFB-106069-WG-GW0451-REG	21 FEB 2012	12:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0464	KAFB-106081-WG-GW0464-REG	21 FEB 2012	12:35	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0476	KAFB-106091-WG-GW0476-REG	20 FEB 2012	15:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

Shaw™
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1202147

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW180

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0478	KAFB-106093-WG-GW0478-REG	20 FEB 2012	12:17	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09	GW8180-TB	FIELDQC-BW-GW8180-TB-TB	20 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/22/12 @ 0820

1. Tracking #_____7118_____(last 4 digits, FedEx) WO# 1202147

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-FREIGHT

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_ 02/22/12 @ 0820

1. Tracking #_____7203_____(last 4 digits, FedEx) WO# 1202147

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.5 Degrees Celsius + correction factor 0.0 = 2.5

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

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

If yes, how many and where: 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_ 02/22/12 @ 0820

1. Tracking #_7199_(last 4 digits, FedEx) WO# 1202147

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Shaw™
Shaw E & I, Inc.

1202153

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW181

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

Samples Shipment Date: 22 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617225

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw — Date: 2/22/12 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: 2/23/12 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
GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

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1202153

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW181

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
02	GW0440	KAFB-106061-WG-GW0440-REG	22 FEB 2012	14:14	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
04	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0457	KAFB-106075-WG-GW0457-REG	22 FEB 2012	11:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
05	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
06	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0462	KAFB-106079-WG-GW0462-REG	21 FEB 2012	15:11	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
07	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

Shaw™
Shaw E & I, Inc.

1202153

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW181

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
08	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0463	KAFB-106080-WG-GW0463-REG	22 FEB 2012	10:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
10	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0477	KAFB-106092-WG-GW0477-REG	21 FEB 2012	15:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
11	GW8043-AB	FIELDQC-BW-GW8043-AB-AB	22 FEB 2012	14:14	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
12	GW8181-TB	FIELDQC-BW-GW8181-TB-TB	22 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/23/12 @ 0830

1. Tracking #_7225_(last 4 digits, FedEx) WO# 1202153

Courier: ___FED-EX

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

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

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

If yes, how many and where: 2-FRONT & BACK

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

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

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

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

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

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

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

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

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

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

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

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

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

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_ 02/23/12 @ 0830

1. Tracking # 7247 (last 4 digits, FedEx) WO# 1202153

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.8 *Degrees Celsius + correction factor* 0.0 = 1.8

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 02/23/12 @ 0830

1. Tracking #_____7236_____(last 4 digits, FedEx) WO# 1202153

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) _____

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:

1202159

Shaw
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW182

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

Samples Shipment Date: 23 FEB 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617258

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: 2/23/12 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: 2/24/12 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 GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

Shaw
Shaw E & I, Inc.

1202154

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW182

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01								Ammonia by SM4500B					
02	GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0399	KAFB-106020-WG-GW0399-REG	22 FEB 2012	15:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0438	KAFB-106059-WG-GW0438-REG	23 FEB 2012	12:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0439	KAFB-106060-WG-GW0439-REG	23 FEB 2012	9:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

Shaw
Shaw E & I, Inc.

1202159

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW182

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
05	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0439-MS	KAFB-106060-WG-GW0439-MS-MS	23 FEB 2012	9:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
6	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0439-MSD	KAFB-106060-WG-GW0439-MSD-MSD	23 FEB 2012	9:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
07	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0455	KAFB-106073-WG-GW0455-REG	23 FEB 2012	10:15	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		

Shaw
Shaw E & I, Inc.

1202159

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW182

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
09	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0456	KAFB-106074-WG-GW0456-REG	23 FEB 2012	14:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
11	GW8044-AB	FIELDQC-BW-GW8044-AB-AB	23 FEB 2012	10:15	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
12	GW8182-TB	FIELDQC-BW-GW8182-TB-TB	23 FEB 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 02/24/12 @ 0830

1. Tracking #_____7258_____(last 4 digits, FedEx) WO# 1202159

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.4 *Degrees Celsius + correction factor 0.0* = 2.4

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_ 02/24/12 @ 0830

WO# 1202154

1. Tracking #_____7270_____(last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.5 *Degrees Celsius + correction factor 0.0* = 1.5

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

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

If yes, how many and where: 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_ 02/24/12 @ 0830

WO# 1202159

1. Tracking # 7280 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.4 Degrees Celsius + correction factor 0.0 = 2.4

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 02/24/12 @ 0830

WO# 1202159

1. Tracking #_____7269_____(last 4 digits, FedEx)

Courier: ___FED-EX

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

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 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: 3/14/2012 1:44:22PM**

1202137

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: 03/19/2012 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: 02/20/2012 08:00
Logged In By: Benjamin C. Wright
Date Logged In: 02/20/2012 08:58

Samples Received at: **2.1°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 3/14/2012 1:44:22PM

1202137

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
1202137-01 GW0389 [Water] Sampled 02/16/2012 15:09 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	03/07/2012 14:00	15	02/23/2012 16:09	
SW6010B	MET_ICP_6010B_FULL	03/07/2012 14:00	15	08/14/2012 16:09	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/07/2012 14:00	15	02/23/2012 16:09	
SW8011	SGC_EDB_8011	03/07/2012 14:00	15	03/01/2012 16:09	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	03/07/2012 14:00	15	03/15/2012 16:09	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/07/2012 14:00	15	02/23/2012 16:09	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	03/07/2012 14:00	15	03/01/2012 16:09	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/07/2012 14:00	15	03/01/2012 16:09	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/07/2012 14:00	15	03/15/2012 16:09	
SW8015B GR(	VGC_GRO_8015B	03/07/2012 14:00	15	03/01/2012 16:09	
E300.0	WC_ANIONS_300.0 (Regular)	03/07/2012 14:00	15	03/15/2012 16:09	Cl, SO4
1202137-02 GW0389 [Water] Sampled 02/16/2012 15:09 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/07/2012 14:00	15	08/14/2012 16:09	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:44:22PM

1202137

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
1202137-03 GW0390 [Water] Sampled 02/16/2012 15:09 Mountain					
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/07/2012 14:00	15	03/15/2012 16:09	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/07/2012 14:00	15	02/23/2012 16:09	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	03/07/2012 14:00	15	02/23/2012 16:09	
E353.2	WC_NO3NO2_N_353.2	03/07/2012 14:00	15	03/15/2012 16:09	
SW8015B GR(	VGC_GRO_8015B	03/07/2012 14:00	15	03/01/2012 16:09	
SM2320B	WC_ALKALINITY_2320B	03/07/2012 14:00	15	03/01/2012 16:09	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	03/07/2012 14:00	15	03/15/2012 16:09	Cl, SO4
SW8011	SGC_EDB_8011	03/07/2012 14:00	15	03/01/2012 16:09	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	03/07/2012 14:00	15	02/23/2012 16:09	
SW6010B	MET_ICP_6010B_FULL	03/07/2012 14:00	15	08/14/2012 16:09	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	03/07/2012 14:00	15	03/01/2012 16:09	naphthalene must be reported
1202137-04 GW0390 [Water] Sampled 02/16/2012 15:09 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/07/2012 14:00	15	08/14/2012 16:09	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:44:22PM

1202137

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
1202137-05 GW0444 [Water] Sampled 02/17/2012 11:07 Mountain					
SM2320B	WC_ALKALINITY_2320B	03/07/2012 14:00	15	03/02/2012 12:07	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	03/07/2012 14:00	15	03/16/2012 12:07	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/07/2012 14:00	15	03/16/2012 12:07	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/07/2012 14:00	15	02/24/2012 12:07	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/07/2012 14:00	15	02/24/2012 12:07	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	03/07/2012 14:00	15	08/15/2012 12:07	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/07/2012 14:00	15	02/24/2012 12:07	
SW8011	SGC_EDB_8011	03/07/2012 14:00	15	03/02/2012 12:07	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/07/2012 14:00	15	03/02/2012 12:07	
SW8260B	VOC_8260B_REG	03/07/2012 14:00	15	03/02/2012 12:07	naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/07/2012 14:00	15	03/16/2012 12:07	
1202137-06 GW0444 [Water] Sampled 02/17/2012 11:07 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/07/2012 14:00	15	08/15/2012 12:07	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:44:22PM

1202137

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
1202137-07 GW0449 [Water] Sampled 02/17/2012 11:47 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	03/07/2012 14:00	15	02/24/2012 12:47	
SW8260B	VOC_8260B_REG	03/07/2012 14:00	15	03/02/2012 12:47	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/07/2012 14:00	15	03/02/2012 12:47	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/07/2012 14:00	15	03/16/2012 12:47	
E300.0	WC_ANIONS_300.0 (Regular)	03/07/2012 14:00	15	03/16/2012 12:47	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/07/2012 14:00	15	03/16/2012 12:47	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/07/2012 14:00	15	02/24/2012 12:47	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/07/2012 14:00	15	02/24/2012 12:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	03/07/2012 14:00	15	03/02/2012 12:47	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	03/07/2012 14:00	15	08/15/2012 12:47	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/07/2012 14:00	15	03/02/2012 12:47	
1202137-08 GW0449 [Water] Sampled 02/17/2012 11:47 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/07/2012 14:00	15	08/15/2012 12:47	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:44:22PM

1202137

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
1202137-09 GW0450 [Water] Sampled 02/17/2012 11:47 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/07/2012 14:00	15	02/24/2012 12:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	03/07/2012 14:00	15	08/15/2012 12:47	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/07/2012 14:00	15	02/24/2012 12:47	
SW8011	SGC_EDB_8011	03/07/2012 14:00	15	03/02/2012 12:47	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/07/2012 14:00	15	03/02/2012 12:47	
SW8260B	VOC_8260B_REG	03/07/2012 14:00	15	03/02/2012 12:47	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/07/2012 14:00	15	03/02/2012 12:47	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/07/2012 14:00	15	03/16/2012 12:47	
E300.0	WC_ANIONS_300.0 (Regular)	03/07/2012 14:00	15	03/16/2012 12:47	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	03/07/2012 14:00	15	02/24/2012 12:47	
E353.2	WC_NO3NO2_N_353.2	03/07/2012 14:00	15	03/16/2012 12:47	
1202137-10 GW0450 [Water] Sampled 02/17/2012 11:47 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/07/2012 14:00	15	08/15/2012 12:47	Fe & Mn
1202137-11 GW8179-TB [Water] Sampled 02/17/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/07/2012 14:00	15	03/02/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER **Printed: 3/14/2012 1:43:38PM**

1202147

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: 03/19/2012 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: 02/22/2012 08:20
Logged In By: Benjamin C. Wright
Date Logged In: 02/22/2012 10:41

Samples Received at: **0°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: 3/14/2012 1:43:38PM

1202147

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
1202147-01 GW0451 [Water] Sampled 02/21/2012 12:16 Mountain					
SM2320B	WC_ALKALINITY_2320B	03/09/2012 14:00	15	03/06/2012 13:16	carb/bicarb
SW8015B DR(	SGC_DRO_8015B_3510	03/09/2012 14:00	15	02/28/2012 13:16	
SW8011	SGC_EDB_8011	03/09/2012 14:00	15	03/06/2012 13:16	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	03/09/2012 14:00	15	08/19/2012 13:16	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	03/09/2012 14:00	15	03/06/2012 13:16	naphthalene must be reported
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/09/2012 14:00	15	03/20/2012 13:16	
E300.0	WC_ANIONS_300.0 (Regular)	03/09/2012 14:00	15	03/20/2012 13:16	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/09/2012 14:00	15	03/20/2012 13:16	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/09/2012 14:00	15	02/28/2012 13:16	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/09/2012 14:00	15	02/28/2012 13:16	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GR(	VGC_GRO_8015B	03/09/2012 14:00	15	03/06/2012 13:16	
1202147-02 GW0451 [Water] Sampled 02/21/2012 12:16 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/09/2012 14:00	15	08/19/2012 13:16	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:43:38PM

1202147

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
1202147-03 GW0464 [Water] Sampled 02/21/2012 12:35 Mountain					
SW8260B	VOC_8260B_REG	03/09/2012 14:00	15	03/06/2012 13:35	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	03/09/2012 14:00	15	02/28/2012 13:35	
E353.2	WC_NO3NO2_N_353.2	03/09/2012 14:00	15	03/20/2012 13:35	
SW8015B GR(	VGC_GRO_8015B	03/09/2012 14:00	15	03/06/2012 13:35	
SW8011	SGC_EDB_8011	03/09/2012 14:00	15	03/06/2012 13:35	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	03/09/2012 14:00	15	02/28/2012 13:35	
SW6010B	MET_ICP_6010B_FULL	03/09/2012 14:00	15	08/19/2012 13:35	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	03/09/2012 14:00	15	03/20/2012 13:35	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/09/2012 14:00	15	02/28/2012 13:35	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	03/09/2012 14:00	15	03/06/2012 13:35	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/09/2012 14:00	15	03/20/2012 13:35	
1202147-04 GW0464 [Water] Sampled 02/21/2012 12:35 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/09/2012 14:00	15	08/19/2012 13:35	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:43:38PM

1202147

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
1202147-05 GW0476 [Water] Sampled 02/20/2012 15:27 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	03/09/2012 14:00	15	02/27/2012 16:27	
E353.2	WC_NO3NO2_N_353.2	03/09/2012 14:00	15	03/19/2012 16:27	
E300.0	WC_ANIONS_300.0 (Regular)	03/09/2012 14:00	15	03/19/2012 16:27	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/09/2012 14:00	15	03/19/2012 16:27	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/09/2012 14:00	15	02/27/2012 16:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	03/09/2012 14:00	15	03/05/2012 16:27	carb/bicarb
SW8011	SGC_EDB_8011	03/09/2012 14:00	15	03/05/2012 16:27	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	03/09/2012 14:00	15	02/27/2012 16:27	
SW8015B GR(	VGC_GRO_8015B	03/09/2012 14:00	15	03/05/2012 16:27	
SW8260B	VOC_8260B_REG	03/09/2012 14:00	15	03/05/2012 16:27	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	03/09/2012 14:00	15	08/18/2012 16:27	Ca, Pb, K, Na, Mg
1202147-06 GW0476 [Water] Sampled 02/20/2012 15:27 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/09/2012 14:00	15	08/18/2012 16:27	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:43:38PM

1202147

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
1202147-07 GW0478 [Water] Sampled 02/20/2012 12:17 Mountain					
SW6010B	MET_ICP_6010B_FULL	03/09/2012 14:00	15	08/18/2012 13:17	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/09/2012 14:00	15	02/27/2012 13:17	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DR(	SGC_DRO_8015B_3510	03/09/2012 14:00	15	02/27/2012 13:17	
SW8011	SGC_EDB_8011	03/09/2012 14:00	15	03/05/2012 13:17	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/09/2012 14:00	15	03/05/2012 13:17	
SW8260B	VOC_8260B_REG	03/09/2012 14:00	15	03/05/2012 13:17	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/09/2012 14:00	15	03/05/2012 13:17	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/09/2012 14:00	15	03/19/2012 13:17	
E300.0	WC_ANIONS_300.0 (Regular)	03/09/2012 14:00	15	03/19/2012 13:17	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/09/2012 14:00	15	03/19/2012 13:17	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/09/2012 14:00	15	02/27/2012 13:17	
1202147-08 GW0478 [Water] Sampled 02/20/2012 12:17 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/09/2012 14:00	15	08/18/2012 13:17	Fe & Mn
1202147-09 GW8180-TB [Water] Sampled 02/20/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/09/2012 14:00	15	03/05/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/14/2012 1:42:51PM

1202153

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: 03/19/2012 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: 02/23/2012 08:30
Logged In By: Benjamin C. Wright
Date Logged In: 02/23/2012 09:45

Samples Received at: **1°C**

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

Method	Test Code	Due	TAT	Expires	Comments

WORK ORDER

Printed: 3/14/2012 1:42:51PM

1202153

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
1202153-01 GW0440 [Water] Sampled 02/22/2012 14:14 Mountain					
SW8260B	VOC_8260B_REG	03/12/2012 14:00	15	03/07/2012 15:14	naphthalene must be reported
SW8015B DR(	SGC_DRO_8015B_3510	03/12/2012 14:00	15	02/29/2012 15:14	
SW6010B	MET_ICP_6010B_FULL	03/12/2012 14:00	15	08/20/2012 15:14	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/12/2012 14:00	15	03/07/2012 15:14	
SM2320B	WC_ALKALINITY_2320B	03/12/2012 14:00	15	03/07/2012 15:14	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/12/2012 14:00	15	03/21/2012 15:14	
E300.0	WC_ANIONS_300.0 (Regular)	03/12/2012 14:00	15	03/21/2012 15:14	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/12/2012 14:00	15	03/21/2012 15:14	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/12/2012 14:00	15	02/29/2012 15:14	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/12/2012 14:00	15	02/29/2012 15:14	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	03/12/2012 14:00	15	03/07/2012 15:14	Run dilutions based on 8260 results!
1202153-02 GW0440 [Water] Sampled 02/22/2012 14:14 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/12/2012 14:00	15	08/20/2012 15:14	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:42:51PM

1202153

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
1202153-03 GW0457 [Water] Sampled 02/22/2012 11:27 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/12/2012 14:00	15	02/29/2012 12:27	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	03/12/2012 14:00	15	03/07/2012 12:27	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/12/2012 14:00	15	03/21/2012 12:27	
SW6010B	MET_ICP_6010B_FULL	03/12/2012 14:00	15	08/20/2012 12:27	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	03/12/2012 14:00	15	03/21/2012 12:27	
E300.0	WC_ANIONS_300.0 (Regular)	03/12/2012 14:00	15	03/21/2012 12:27	Cl, SO4
SW8015B DR(	SGC_DRO_8015B_3510	03/12/2012 14:00	15	02/29/2012 12:27	
SW8011	SGC_EDB_8011	03/12/2012 14:00	15	03/07/2012 12:27	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/12/2012 14:00	15	03/07/2012 12:27	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/12/2012 14:00	15	02/29/2012 12:27	
SW8260B	VOC_8260B_REG	03/12/2012 14:00	15	03/07/2012 12:27	naphthalene must be reported
1202153-04 GW0457 [Water] Sampled 02/22/2012 11:27 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/12/2012 14:00	15	08/20/2012 12:27	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:42:51PM

1202153

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
1202153-05 GW0462 [Water] Sampled 02/21/2012 15:11 Mountain					
SW8011	SGC_EDB_8011	03/12/2012 14:00	15	03/06/2012 16:11	Run dilutions based on 8260 results!
SW8015B DR(	SGC_DRO_8015B_3510	03/12/2012 14:00	15	02/28/2012 16:11	
SW8260B	VOC_8260B_REG	03/12/2012 14:00	15	03/06/2012 16:11	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	03/12/2012 14:00	15	02/28/2012 16:11	
SW8015B GR(	VGC_GRO_8015B	03/12/2012 14:00	15	03/06/2012 16:11	
SW6010B	MET_ICP_6010B_FULL	03/12/2012 14:00	15	08/19/2012 16:11	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	03/12/2012 14:00	15	03/06/2012 16:11	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/12/2012 14:00	15	03/20/2012 16:11	
E300.0	WC_ANIONS_300.0 (Regular)	03/12/2012 14:00	15	03/20/2012 16:11	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/12/2012 14:00	15	03/20/2012 16:11	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/12/2012 14:00	15	02/28/2012 16:11	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1202153-06 GW0462 [Water] Sampled 02/21/2012 15:11 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/12/2012 14:00	15	08/19/2012 16:11	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:42:51PM

1202153

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
1202153-07 GW0463 [Water] Sampled 02/22/2012 10:23 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	03/12/2012 14:00	15	02/29/2012 11:23	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/12/2012 14:00	15	02/29/2012 11:23	
E353.2	WC_NO3NO2_N_353.2	03/12/2012 14:00	15	03/21/2012 11:23	
E300.0	WC_ANIONS_300.0 (Regular)	03/12/2012 14:00	15	03/21/2012 11:23	Cl, SO4
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/12/2012 14:00	15	03/21/2012 11:23	
SM2320B	WC_ALKALINITY_2320B	03/12/2012 14:00	15	03/07/2012 11:23	carb/bicarb
SW8260B	VOC_8260B_REG	03/12/2012 14:00	15	03/07/2012 11:23	naphthalene must be reported
SW8011	SGC_EDB_8011	03/12/2012 14:00	15	03/07/2012 11:23	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	03/12/2012 14:00	15	08/20/2012 11:23	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/12/2012 14:00	15	02/29/2012 11:23	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GR(	VGC_GRO_8015B	03/12/2012 14:00	15	03/07/2012 11:23	
1202153-08 GW0463 [Water] Sampled 02/22/2012 10:23 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/12/2012 14:00	15	08/20/2012 11:23	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:42:51PM

1202153

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
1202153-09 GW0477 [Water] Sampled 02/21/2012 15:41 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/12/2012 14:00	15	02/28/2012 16:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	03/12/2012 14:00	15	08/19/2012 16:41	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/12/2012 14:00	15	02/28/2012 16:41	
SW8011	SGC_EDB_8011	03/12/2012 14:00	15	03/06/2012 16:41	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/12/2012 14:00	15	03/06/2012 16:41	
SW8260B	VOC_8260B_REG	03/12/2012 14:00	15	03/06/2012 16:41	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/12/2012 14:00	15	03/06/2012 16:41	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/12/2012 14:00	15	03/20/2012 16:41	
E300.0	WC_ANIONS_300.0 (Regular)	03/12/2012 14:00	15	03/20/2012 16:41	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/12/2012 14:00	15	03/20/2012 16:41	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/12/2012 14:00	15	02/28/2012 16:41	
1202153-10 GW0477 [Water] Sampled 02/21/2012 15:41 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/12/2012 14:00	15	08/19/2012 16:41	Fe & Mn
1202153-11 GW8043-AB [Water] Sampled 02/22/2012 14:14 Mountain					
SW8260B	VOC_8260B_REG	03/12/2012 14:00	15	03/07/2012 15:14	naphthalene must be reported
1202153-12 GW8181-TB [Water] Sampled 02/22/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/12/2012 14:00	15	03/07/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 3/14/2012 1:42:17PM

1202159

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: 03/19/2012 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: 02/24/2012 08:30
Logged In By: Benjamin C. Wright
Date Logged In: 02/24/2012 10:28

Samples Received at: **2.4°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: 3/14/2012 1:42:17PM

1202159

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
1202159-01 GW0399 [Water] Sampled 02/22/2012 15:47 Mountain					
E353.2	WC_NO3NO2_N_353.2	03/13/2012 14:00	15	03/21/2012 16:47	
SW6010B	MET_ICP_6010B_FULL	03/13/2012 14:00	15	08/20/2012 16:47	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/13/2012 14:00	15	02/29/2012 16:47	
E300.0	WC_ANIONS_300.0 (Regular)	03/13/2012 14:00	15	03/21/2012 16:47	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	03/13/2012 14:00	15	02/29/2012 16:47	
SW8011	SGC_EDB_8011	03/13/2012 14:00	15	03/07/2012 16:47	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/13/2012 14:00	15	03/07/2012 16:47	
SW8260B	VOC_8260B_REG	03/13/2012 14:00	15	03/07/2012 16:47	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/13/2012 14:00	15	03/07/2012 16:47	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/13/2012 14:00	15	02/29/2012 16:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/13/2012 14:00	15	03/21/2012 16:47	
1202159-02 GW0399 [Water] Sampled 02/22/2012 15:47 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/13/2012 14:00	15	08/20/2012 16:47	Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:42:17PM

1202159

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
1202159-03 GW0438 [Water] Sampled 02/23/2012 12:32 Mountain					
SM2320B	WC_ALKALINITY_2320B	03/13/2012 14:00	15	03/08/2012 13:32	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	03/13/2012 14:00	15	03/01/2012 13:32	
E353.2	WC_NO3NO2_N_353.2	03/13/2012 14:00	15	03/22/2012 13:32	
E300.0	WC_ANIONS_300.0 (Regular)	03/13/2012 14:00	15	03/22/2012 13:32	Cl, SO4
SW8011	SGC_EDB_8011	03/13/2012 14:00	15	03/08/2012 13:32	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	03/13/2012 14:00	15	03/08/2012 13:32	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/13/2012 14:00	15	03/01/2012 13:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/13/2012 14:00	15	03/22/2012 13:32	
SW8015B DR(	SGC_DRO_8015B_3510	03/13/2012 14:00	15	03/01/2012 13:32	
SW6010B	MET_ICP_6010B_FULL	03/13/2012 14:00	15	08/21/2012 13:32	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/13/2012 14:00	15	03/08/2012 13:32	
1202159-04 GW0438 [Water] Sampled 02/23/2012 12:32 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/13/2012 14:00	15	08/21/2012 13:32	Fe & Mn

WORK ORDER

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1202159

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
1202159-05 GW0439 [Water] Sampled 02/23/2012 09:32 Mountain					**MS/MSD.**
SM2320B	WC_ALKALINITY_2320B	03/13/2012 14:00	15	03/08/2012 10:32	MS/MSD.carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	03/13/2012 14:00	15	03/01/2012 10:32	MS/MSD.
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/13/2012 14:00	15	03/01/2012 10:32	MS/MSD.requires 3-Methlphenol/4-Methylphenol/Naphthal
E353.2	WC_NO3NO2_N_353.2	03/13/2012 14:00	15	03/22/2012 10:32	MS/MSD.
SW8011	SGC_EDB_8011	03/13/2012 14:00	15	03/08/2012 10:32	MS/MSD.Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	03/13/2012 14:00	15	03/22/2012 10:32	MS/MSD.Cl, SO4
SW8260B	VOC_8260B_REG	03/13/2012 14:00	15	03/08/2012 10:32	MS/MSD.naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	03/13/2012 14:00	15	08/21/2012 10:32	MS/MSD.Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/13/2012 14:00	15	03/01/2012 10:32	MS/MSD.
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/13/2012 14:00	15	03/22/2012 10:32	MS/MSD.
SW8015B GR(	VGC_GRO_8015B	03/13/2012 14:00	15	03/08/2012 10:32	MS/MSD.
1202159-06 GW0439 [Water] Sampled 02/23/2012 09:32 Mountain					**MS/MSD.**
SW6010B	MET_ICP_6010B_FULL_DIS	03/13/2012 14:00	15	08/21/2012 10:32	MS/MSD.Fe & Mn

WORK ORDER

Printed: 3/14/2012 1:42:17PM

1202159

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
1202159-07 GW0455 [Water] Sampled 02/23/2012 10:15 Mountain					
SW8015B DR(	SGC_DRO_8015B_3510	03/13/2012 14:00	15	03/01/2012 11:15	
SW8260B	VOC_8260B_REG	03/13/2012 14:00	15	03/08/2012 11:15	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/13/2012 14:00	15	03/08/2012 11:15	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/13/2012 14:00	15	03/22/2012 11:15	
E300.0	WC_ANIONS_300.0 (Regular)	03/13/2012 14:00	15	03/22/2012 11:15	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	03/13/2012 14:00	15	03/22/2012 11:15	
SM4500S2CF	WC_SULFIDE_4500S2CF	03/13/2012 14:00	15	03/01/2012 11:15	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/13/2012 14:00	15	03/01/2012 11:15	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	03/13/2012 14:00	15	03/08/2012 11:15	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	03/13/2012 14:00	15	08/21/2012 11:15	Ca, Pb, K, Na, Mg
SW8015B GR(	VGC_GRO_8015B	03/13/2012 14:00	15	03/08/2012 11:15	
1202159-08 GW0455 [Water] Sampled 02/23/2012 10:15 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/13/2012 14:00	15	08/21/2012 11:15	Fe & Mn

WORK ORDER

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1202159

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
1202159-09 GW0456 [Water] Sampled 02/23/2012 14:05 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	03/13/2012 14:00	15	03/01/2012 15:05	
SW6010B	MET_ICP_6010B_FULL	03/13/2012 14:00	15	08/21/2012 15:05	Ca, Pb, K, Na, Mg
SW8015B DR(	SGC_DRO_8015B_3510	03/13/2012 14:00	15	03/01/2012 15:05	
SW8011	SGC_EDB_8011	03/13/2012 14:00	15	03/08/2012 15:05	Run dilutions based on 8260 results!
SW8015B GR(	VGC_GRO_8015B	03/13/2012 14:00	15	03/08/2012 15:05	
SW8260B	VOC_8260B_REG	03/13/2012 14:00	15	03/08/2012 15:05	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	03/13/2012 14:00	15	03/08/2012 15:05	carb/bicarb
SM4500NH3B	WC_AMMONIA_PHENATE_4500NH	03/13/2012 14:00	15	03/22/2012 15:05	
E353.2	WC_NO3NO2_N_353.2	03/13/2012 14:00	15	03/22/2012 15:05	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	03/13/2012 14:00	15	03/01/2012 15:05	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E300.0	WC_ANIONS_300.0 (Regular)	03/13/2012 14:00	15	03/22/2012 15:05	Cl, SO4
1202159-10 GW0456 [Water] Sampled 02/23/2012 14:05 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	03/13/2012 14:00	15	08/21/2012 15:05	Fe & Mn
1202159-11 GW8044-AB [Water] Sampled 02/23/2012 10:15 Mountain					
SW8260B	VOC_8260B_REG	03/13/2012 14:00	15	03/08/2012 11:15	naphthalene must be reported
1202159-12 GW8182-TB [Water] Sampled 02/23/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	03/13/2012 14:00	15	03/08/2012 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_045
MATRIX: Water

QC LEVEL: Level IV
Report Due: 3/12/2012 - 3/16/2012
Client Sample Count: 40

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	2/16/2012	2/20/2012	1202137-01	GW0389	X	X	X	X	X	X
Client Sample	2/16/2012	2/20/2012	1202137-02	GW0389						X
Client Sample	2/16/2012	2/20/2012	1202137-03	GW0390	X	X	X	X	X	X
Client Sample	2/16/2012	2/20/2012	1202137-04	GW0390						X
Client Sample	2/17/2012	2/20/2012	1202137-05	GW0444	X	X	X	X	X	X
Client Sample	2/17/2012	2/20/2012	1202137-06	GW0444						X
Client Sample	2/17/2012	2/20/2012	1202137-07	GW0449	X	X	X	X	X	X
Client Sample	2/17/2012	2/20/2012	1202137-08	GW0449						X
Client Sample	2/17/2012	2/20/2012	1202137-09	GW0450	X	X	X	X	X	X
Client Sample	2/17/2012	2/20/2012	1202137-10	GW0450						X
Trip Blank	2/17/2012	2/20/2012	1202137-11	GW8179-TB						
Client Sample	2/21/2012	2/22/2012	1202147-01	GW0451	X	X	X	X	X	X
Client Sample	2/21/2012	2/22/2012	1202147-02	GW0451						X
Client Sample	2/21/2012	2/22/2012	1202147-03	GW0464	X	X	X	X	X	X
Client Sample	2/21/2012	2/22/2012	1202147-04	GW0464						X
Client Sample	2/20/2012	2/22/2012	1202147-05	GW0476	X	X	X	X	X	X
Client Sample	2/20/2012	2/22/2012	1202147-06	GW0476						X
Client Sample	2/20/2012	2/22/2012	1202147-07	GW0478	X	X	X	X	X	X
Client Sample	2/20/2012	2/22/2012	1202147-08	GW0478						X
Trip Blank	2/20/2012	2/22/2012	1202147-09	GW8180-TB						
Client Sample	2/22/2012	2/23/2012	1202153-01	GW0440	X	X	X	X	X	X
Client Sample	2/22/2012	2/23/2012	1202153-02	GW0440						X
Client Sample	2/22/2012	2/23/2012	1202153-03	GW0457	X	X	X	X	X	X
Client Sample	2/22/2012	2/23/2012	1202153-04	GW0457						X
Client Sample	2/21/2012	2/23/2012	1202153-05	GW0462	X	X	X	X	X	X
Client Sample	2/21/2012	2/23/2012	1202153-06	GW0462						X
Client Sample	2/22/2012	2/23/2012	1202153-07	GW0463	X	X	X	X	X	X
Client Sample	2/22/2012	2/23/2012	1202153-08	GW0463						X
Client Sample	2/21/2012	2/23/2012	1202153-09	GW0477	X	X	X	X	X	X
Client Sample	2/21/2012	2/23/2012	1202153-10	GW0477						X
Client Sample	2/22/2012	2/23/2012	1202153-11	GW8043-AB						
Trip Blank	2/22/2012	2/23/2012	1202153-12	GW8181-TB						
Client Sample	2/22/2012	2/24/2012	1202159-01	GW0399	X	X	X	X	X	X
Client Sample	2/22/2012	2/24/2012	1202159-02	GW0399						X
Client Sample	2/23/2012	2/24/2012	1202159-03	GW0438	X	X	X	X	X	X
Client Sample	2/23/2012	2/24/2012	1202159-04	GW0438						X
Client Sample	2/23/2012	2/24/2012	1202159-05	GW0439	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/23/2012	2/24/2012	1202159-06	GW0439						MS/MSD.
Client Sample	2/23/2012	2/24/2012	1202159-07	GW0455	X	X	X	X	X	X
Client Sample	2/23/2012	2/24/2012	1202159-08	GW0455						X
Client Sample	2/23/2012	2/24/2012	1202159-09	GW0456	X	X	X	X	X	X
Client Sample	2/23/2012	2/24/2012	1202159-10	GW0456						X
Client Sample	2/23/2012	2/24/2012	1202159-11	GW8044-AB						
Trip Blank	2/23/2012	2/24/2012	1202159-12	GW8182-TB						

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	V8015B	DIW8015B GF	SW8260B	SW8270C
Client Sample	2/16/2012	2/20/2012	1202137-01	GW0389	X	X	X	X	X
Client Sample	2/16/2012	2/20/2012	1202137-02	GW0389					
Client Sample	2/16/2012	2/20/2012	1202137-03	GW0390	X	X	X	X	X
Client Sample	2/16/2012	2/20/2012	1202137-04	GW0390					
Client Sample	2/17/2012	2/20/2012	1202137-05	GW0444	X	X	X	X	X
Client Sample	2/17/2012	2/20/2012	1202137-06	GW0444					
Client Sample	2/17/2012	2/20/2012	1202137-07	GW0449	X	X	X	X	X
Client Sample	2/17/2012	2/20/2012	1202137-08	GW0449					
Client Sample	2/17/2012	2/20/2012	1202137-09	GW0450	X	X	X	X	X
Client Sample	2/17/2012	2/20/2012	1202137-10	GW0450					
Trip Blank	2/17/2012	2/20/2012	1202137-11	GW8179-TB				X	
Client Sample	2/21/2012	2/22/2012	1202147-01	GW0451	X	X	X	X	X
Client Sample	2/21/2012	2/22/2012	1202147-02	GW0451					
Client Sample	2/21/2012	2/22/2012	1202147-03	GW0464	X	X	X	X	X
Client Sample	2/21/2012	2/22/2012	1202147-04	GW0464					
Client Sample	2/20/2012	2/22/2012	1202147-05	GW0476	X	X	X	X	X
Client Sample	2/20/2012	2/22/2012	1202147-06	GW0476					
Client Sample	2/20/2012	2/22/2012	1202147-07	GW0478	X	X	X	X	X
Client Sample	2/20/2012	2/22/2012	1202147-08	GW0478					
Trip Blank	2/20/2012	2/22/2012	1202147-09	GW8180-TB				X	
Client Sample	2/22/2012	2/23/2012	1202153-01	GW0440	X	X	X	X	X
Client Sample	2/22/2012	2/23/2012	1202153-02	GW0440					
Client Sample	2/22/2012	2/23/2012	1202153-03	GW0457	X	X	X	X	X
Client Sample	2/22/2012	2/23/2012	1202153-04	GW0457					
Client Sample	2/21/2012	2/23/2012	1202153-05	GW0462	X	X	X	X	X
Client Sample	2/21/2012	2/23/2012	1202153-06	GW0462					
Client Sample	2/22/2012	2/23/2012	1202153-07	GW0463	X	X	X	X	X
Client Sample	2/22/2012	2/23/2012	1202153-08	GW0463					
Client Sample	2/21/2012	2/23/2012	1202153-09	GW0477	X	X	X	X	X
Client Sample	2/21/2012	2/23/2012	1202153-10	GW0477					
Client Sample	2/22/2012	2/23/2012	1202153-11	GW8043-AB				X	
Trip Blank	2/22/2012	2/23/2012	1202153-12	GW8181-TB				X	
Client Sample	2/22/2012	2/24/2012	1202159-01	GW0399	X	X	X	X	X
Client Sample	2/22/2012	2/24/2012	1202159-02	GW0399					
Client Sample	2/23/2012	2/24/2012	1202159-03	GW0438	X	X	X	X	X
Client Sample	2/23/2012	2/24/2012	1202159-04	GW0438					
Client Sample	2/23/2012	2/24/2012	1202159-05	GW0439	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.	MS/MSD.
Client Sample	2/23/2012	2/24/2012	1202159-06	GW0439					
Client Sample	2/23/2012	2/24/2012	1202159-07	GW0455	X	X	X	X	X
Client Sample	2/23/2012	2/24/2012	1202159-08	GW0455					
Client Sample	2/23/2012	2/24/2012	1202159-09	GW0456	X	X	X	X	X
Client Sample	2/23/2012	2/24/2012	1202159-10	GW0456					
Client Sample	2/23/2012	2/24/2012	1202159-11	GW8044-AB				X	
Trip Blank	2/23/2012	2/24/2012	1202159-12	GW8182-TB				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01	File ID:	0213701D.D
Sampled:	02/16/12 15:09	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 19:29
Solids:		Preparation:	5030B	Dilution:	100

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

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1850	250	500	1000	D
71-43-2	Benzene	8250	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	571	250	500	1000	J, D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	76.4	25.0	50.0	100	J, D
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	92.5	25.0	50.0	100	J, D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	X, U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1110	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	100	Y, U

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01	File ID:	0213701D.D
Sampled:	02/16/12 15:09	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 19:29
Solids:		Preparation:	5030B	Dilution:	100

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

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		125	250	500	U
98-82-8	Isopropylbenzene	67.5	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	74.0	25.0	50.0	100	J, D, B
108-10-1	4-Methyl-2-pentanone	176	125	250	500	J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	57.6	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	7720	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	100	Y, U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	100	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	55.2	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	155	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	2030	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.72	102	75 - 120	
Dibromofluoromethane	30.00	32.96	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.40	108	70 - 120	
Toluene-d8	30.00	30.44	101	85 - 120	

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03	File ID:	0213703D.D
Sampled:	02/16/12 15:09	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 19:57
Solids:		Preparation:	5030B	Dilution:	100

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

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1730	250	500	1000	D
71-43-2	Benzene	8220	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	542	250	500	1000	J, D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	107	25.0	50.0	100	D
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	98.6	25.0	50.0	100	J, D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	X, U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1120	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	100	Y, U

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03	File ID:	0213703D.D
Sampled:	02/16/12 15:09	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 19:57
Solids:		Preparation:	5030B	Dilution:	100

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

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		125	250	500	U
98-82-8	Isopropylbenzene	70.1	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	72.5	25.0	50.0	100	J, D, B
108-10-1	4-Methyl-2-pentanone	167	125	250	500	J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	59.7	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	8160	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	100	Y, U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	100	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	57.9	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	155	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	2050	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.00	107	75 - 120	
Dibromofluoromethane	30.00	31.87	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.36	101	70 - 120	
Toluene-d8	30.00	31.86	106	85 - 120	

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05	File ID:	0213705D.D
Sampled:	02/17/12 11:07	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 20:25
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	144	5.00	10.0	20.0	D
71-43-2	Benzene	52.1	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	0.883	0.500	1.00	2.00	J, D
78-93-3	2-Butanone	5.79	5.00	10.0	20.0	J, D
135-98-8	sec-Butylbenzene	0.874	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	1.68	0.500	1.00	2.00	J, D
56-23-5	Carbon tetrachloride		0.500	1.00	2.00	U
108-90-7	Chlorobenzene	1.20	0.500	1.00	2.00	J, D
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)	2.65	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	1.55	0.500	1.00	2.00	J, D
75-35-4	1,1-Dichloroethene		0.500	1.00	2.00	U
156-59-2	cis-1,2-Dichloroethene		0.500	1.00	2.00	U
156-60-5	trans-1,2-Dichloroethene		0.500	1.00	2.00	U
78-87-5	1,2-Dichloropropane		0.500	1.00	2.00	U
142-28-9	1,3-Dichloropropane		0.500	1.00	2.00	U
594-20-7	2,2-Dichloropropane		0.500	1.00	2.00	U
563-58-6	1,1-Dichloropropene		0.500	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene		0.500	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene		0.500	1.00	2.00	U
100-41-4	Ethylbenzene	21.9	0.500	1.00	2.00	D
87-68-3	Hexachlorobutadiene		0.500	1.00	2.00	Y, U

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05	File ID:	0213705D.D
Sampled:	02/17/12 11:07	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 20:25
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	5.88	0.500	1.00	2.00	D
99-87-6	p-Isopropyltoluene	1.40	0.500	1.00	2.00	J, D
75-09-2	Methylene chloride		1.00	2.00	4.00	U
91-20-3	Naphthalene	3.10	0.500	1.00	2.00	D, B
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.500	1.00	2.00	U
103-65-1	n-Propylbenzene	2.35	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	101	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	4.55	0.500	1.00	2.00	D
95-63-6	1,2,4-Trimethylbenzene	9.37	0.500	1.00	2.00	D
75-01-4	Vinyl chloride		0.500	1.00	2.00	U
1330-20-7	Xylenes (total)	49.6	1.50	3.00	6.00	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.31	104	75 - 120	
Dibromofluoromethane	30.00	32.49	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.43	101	70 - 120	
Toluene-d8	30.00	31.02	103	85 - 120	

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07	File ID:	0213707.D
Sampled:	02/17/12 11:47	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 16:40
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	2.53	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	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

GW0449

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07	File ID:	0213707.D
Sampled:	02/17/12 11:47	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 16:40
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		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	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	30.46	102	75 - 120	
Dibromofluoromethane	30.00	33.31	111	85 - 115	
1,2-Dichloroethane-d4	30.00	33.01	110	70 - 120	
Toluene-d8	30.00	30.59	102	85 - 120	

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09	File ID:	0213709.D
Sampled:	02/17/12 11:47	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 17:08
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		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

GW0450

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09	File ID:	0213709.D
Sampled:	02/17/12 11:47	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 17:08
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		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	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	30.97	103	75 - 120	
Dibromofluoromethane	30.00	32.98	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.91	110	70 - 120	
Toluene-d8	30.00	30.42	101	85 - 120	

ANALYSIS DATA SHEET

GW8179-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-11	File ID:	0213711.D
Sampled:	02/17/12 08:00	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 14:47
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		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

GW8179-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-11	File ID:	0213711.D
Sampled:	02/17/12 08:00	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 14:47
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		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	0.264	0.250	0.500	1.00	J, B
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	Y, U
120-82-1	1,2,4-Trichlorobenzene	0.270	0.250	0.500	1.00	J, B
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	29.63	98.8	75 - 120	
Dibromofluoromethane	30.00	33.53	112	85 - 115	
1,2-Dichloroethane-d4	30.00	33.85	113	70 - 120	
Toluene-d8	30.00	29.94	99.8	85 - 120	

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01	File ID:	0214701.D
Sampled:	02/21/12 12:16	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 17:36
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	2.91	2.50	5.00	10.0	J
71-43-2	Benzene	0.747	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	0.258	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)	0.281	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	0.907	0.500	1.00	2.00	X, J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.691	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01	File ID:	0214701.D
Sampled:	02/21/12 12:16	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 17:36
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		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	0.309	0.250	0.500	1.00	J
108-88-3	Toluene	3.80	0.250	0.500	1.00	
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	0.270	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	0.393	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	2.97	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.29	104	75 - 120	
Dibromofluoromethane	30.00	33.47	112	85 - 115	
1,2-Dichloroethane-d4	30.00	32.95	110	70 - 120	
Toluene-d8	30.00	30.98	103	85 - 120	

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03	File ID:	0214703.D
Sampled:	02/21/12 12:35	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 18:04
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		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

GW0464

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03	File ID:	0214703.D
Sampled:	02/21/12 12:35	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 18:04
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		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	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	30.13	100	75 - 120	
Dibromofluoromethane	30.00	32.48	108	85 - 115	
1,2-Dichloroethane-d4	30.00	32.27	108	70 - 120	
Toluene-d8	30.00	29.71	99.0	85 - 120	

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05RE1	File ID:	0214705R.D
Sampled:	02/20/12 15:27	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.54	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene	0.324	0.250	0.500	1.00	J
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	0.297	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)		0.250	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	1.46	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

GW0476

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05RE1	File ID:	0214705R.D
Sampled:	02/20/12 15:27	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 13:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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	2.06	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.629	0.250	0.500	1.00	J
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	6.57	0.250	0.500	1.00	Y, B
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.297	0.250	0.500	1.00	J
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	0.895	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene	1.45	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	0.835	0.750	1.50	3.00	J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.73	102	75 - 120	
Dibromofluoromethane	30.00	30.81	103	85 - 115	
1,2-Dichloroethane-d4	30.00	29.61	98.7	70 - 120	
Toluene-d8	30.00	32.43	108	85 - 120	

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07	File ID:	0214707.D
Sampled:	02/20/12 12:17	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 18:33
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		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

GW0478

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07	File ID:	0214707.D
Sampled:	02/20/12 12:17	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 18:33
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		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	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	32.55	109	85 - 115	
1,2-Dichloroethane-d4	30.00	32.40	108	70 - 120	
Toluene-d8	30.00	29.80	99.3	85 - 120	

ANALYSIS DATA SHEET

GW8180-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-09	File ID:	0214709.D
Sampled:	02/20/12 08:00	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 15:15
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		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	0.494	0.250	0.500	1.00	Y, J

ANALYSIS DATA SHEET

GW8180-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-09	File ID:	0214709.D
Sampled:	02/20/12 08:00	Prepared:	02/23/12 00:00	Analyzed:	02/23/12 15:15
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		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	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	30.43	101	75 - 120	
Dibromofluoromethane	30.00	33.09	110	85 - 115	
1,2-Dichloroethane-d4	30.00	34.08	114	70 - 120	
Toluene-d8	30.00	30.59	102	85 - 120	

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01	File ID:	0215301.D
Sampled:	02/22/12 14:14	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 11:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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	0.725	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		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	1.77	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	Y, U

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01	File ID:	0215301.D
Sampled:	02/22/12 14:14	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 11:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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	0.636	0.250	0.500	1.00	J
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	30.48	102	75 - 120	
Dibromofluoromethane	30.00	33.02	110	85 - 115	
1,2-Dichloroethane-d4	30.00	33.87	113	70 - 120	
Toluene-d8	30.00	30.00	100	85 - 120	

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03	File ID:	0215303.D
Sampled:	02/22/12 11:27	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 12:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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

GW0457

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03	File ID:	0215303.D
Sampled:	02/22/12 11:27	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 12:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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	30.05	100	75 - 120	
Dibromofluoromethane	30.00	34.23	114	85 - 115	
1,2-Dichloroethane-d4	30.00	34.17	114	70 - 120	
Toluene-d8	30.00	30.20	101	85 - 120	

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05	File ID:	0215305D.D
Sampled:	02/21/12 15:11	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 14:25
Solids:		Preparation:	5030B	Dilution:	200

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	1520	500	1000	2000	J, D
71-43-2	Benzene	13000	50.0	100	200	D
108-86-1	Bromobenzene		50.0	100	200	U
74-97-5	Bromochloromethane		50.0	100	200	U
75-27-4	Bromodichloromethane		50.0	100	200	U
75-25-2	Bromoform		50.0	100	200	U
74-83-9	Bromomethane		100	200	400	U
104-51-8	n-Butylbenzene		50.0	100	200	U
78-93-3	2-Butanone	571	500	1000	2000	J, D
135-98-8	sec-Butylbenzene		50.0	100	200	U
98-06-6	tert-Butylbenzene		50.0	100	200	U
75-15-0	Carbon disulfide		50.0	100	200	U
56-23-5	Carbon tetrachloride		50.0	100	200	U
108-90-7	Chlorobenzene		50.0	100	200	U
75-00-3	Chloroethane		100	200	400	U
67-66-3	Chloroform		50.0	100	200	U
74-87-3	Chloromethane		50.0	100	200	U
95-49-8	2-Chlorotoluene		50.0	100	200	U
106-43-4	4-Chlorotoluene		50.0	100	200	U
124-48-1	Dibromochloromethane		50.0	100	200	U
96-12-8	1,2-Dibromo-3-chloropropane		100	200	400	U
106-93-4	1,2-Dibromoethane (EDB)		50.0	100	200	U
74-95-3	Dibromomethane		50.0	100	200	U
95-50-1	1,2-Dichlorobenzene		50.0	100	200	U
541-73-1	1,3-Dichlorobenzene		50.0	100	200	U
106-46-7	1,4-Dichlorobenzene		50.0	100	200	U
75-71-8	Dichlorodifluoromethane		100	200	400	X, U
75-34-3	1,1-Dichloroethane		50.0	100	200	U
107-06-2	1,2-Dichloroethane		50.0	100	200	U
75-35-4	1,1-Dichloroethene		50.0	100	200	U
156-59-2	cis-1,2-Dichloroethene		50.0	100	200	U
156-60-5	trans-1,2-Dichloroethene		50.0	100	200	U
78-87-5	1,2-Dichloropropane		50.0	100	200	U
142-28-9	1,3-Dichloropropane		50.0	100	200	U
594-20-7	2,2-Dichloropropane		50.0	100	200	U
563-58-6	1,1-Dichloropropene		50.0	100	200	U
10061-01-5	cis-1,3-Dichloropropene		50.0	100	200	U
10061-02-6	trans-1,3-Dichloropropene		50.0	100	200	U
100-41-4	Ethylbenzene	1270	50.0	100	200	D
87-68-3	Hexachlorobutadiene		50.0	100	200	Y, U

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05	File ID:	0215305D.D
Sampled:	02/21/12 15:11	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 14:25
Solids:		Preparation:	5030B	Dilution:	200

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		250	500	1000	U
98-82-8	Isopropylbenzene	96.8	50.0	100	200	J, D
99-87-6	p-Isopropyltoluene		50.0	100	200	U
75-09-2	Methylene chloride		100	200	400	U
91-20-3	Naphthalene	233	50.0	100	200	Y, D, B
108-10-1	4-Methyl-2-pentanone		250	500	1000	U
1634-04-4	Methyl t-Butyl Ether		50.0	100	200	U
103-65-1	n-Propylbenzene	101	50.0	100	200	J, D
100-42-5	Styrene		50.0	100	200	U
79-34-5	1,1,2,2-Tetrachloroethane		50.0	100	200	U
630-20-6	1,1,1,2-Tetrachloroethane		50.0	100	200	U
127-18-4	Tetrachloroethene		50.0	100	200	U
108-88-3	Toluene	3510	50.0	100	200	D
87-61-6	1,2,3-Trichlorobenzene		50.0	100	200	Y, U
120-82-1	1,2,4-Trichlorobenzene		50.0	100	200	U
79-00-5	1,1,2-Trichloroethane		50.0	100	200	U
71-55-6	1,1,1-Trichloroethane		50.0	100	200	U
79-01-6	Trichloroethene		50.0	100	200	U
75-69-4	Trichlorofluoromethane		100	200	400	U
96-18-4	1,2,3-Trichloropropane		100	200	400	U
108-67-8	1,3,5-Trimethylbenzene	73.0	50.0	100	200	J, D
95-63-6	1,2,4-Trimethylbenzene	213	50.0	100	200	D
75-01-4	Vinyl chloride		50.0	100	200	U
1330-20-7	Xylenes (total)	1030	150	300	600	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.63	98.8	75 - 120	
Dibromofluoromethane	30.00	31.63	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.74	102	70 - 120	
Toluene-d8	30.00	30.22	101	85 - 120	

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07	File ID:	0215307D.D
Sampled:	02/22/12 10:23	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 14:53
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	81.7	25.0	50.0	100	J, D
71-43-2	Benzene	2280	2.50	5.00	10.0	D, E
108-86-1	Bromobenzene		2.50	5.00	10.0	U
74-97-5	Bromochloromethane		2.50	5.00	10.0	U
75-27-4	Bromodichloromethane		2.50	5.00	10.0	U
75-25-2	Bromoform		2.50	5.00	10.0	U
74-83-9	Bromomethane		5.00	10.0	20.0	U
104-51-8	n-Butylbenzene	6.24	2.50	5.00	10.0	J, D
78-93-3	2-Butanone		25.0	50.0	100	U
135-98-8	sec-Butylbenzene	8.61	2.50	5.00	10.0	J, D
98-06-6	tert-Butylbenzene		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		2.50	5.00	10.0	U
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
67-66-3	Chloroform		2.50	5.00	10.0	U
74-87-3	Chloromethane		2.50	5.00	10.0	U
95-49-8	2-Chlorotoluene		2.50	5.00	10.0	U
106-43-4	4-Chlorotoluene		2.50	5.00	10.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.00	10.0	20.0	U
106-93-4	1,2-Dibromoethane (EDB)		2.50	5.00	10.0	U
74-95-3	Dibromomethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-71-8	Dichlorodifluoromethane		5.00	10.0	20.0	X, U
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane		2.50	5.00	10.0	U
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
142-28-9	1,3-Dichloropropane		2.50	5.00	10.0	U
594-20-7	2,2-Dichloropropane		2.50	5.00	10.0	U
563-58-6	1,1-Dichloropropene		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene	1080	2.50	5.00	10.0	D
87-68-3	Hexachlorobutadiene		2.50	5.00	10.0	Y, U

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07	File ID:	0215307D.D
Sampled:	02/22/12 10:23	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 14:53
Solids:		Preparation:	5030B	Dilution:	10

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		12.5	25.0	50.0	U
98-82-8	Isopropylbenzene	81.1	2.50	5.00	10.0	D
99-87-6	p-Isopropyltoluene	7.56	2.50	5.00	10.0	J, D
75-09-2	Methylene chloride		5.00	10.0	20.0	U
91-20-3	Naphthalene	80.8	2.50	5.00	10.0	Y, D, B
108-10-1	4-Methyl-2-pentanone	23.3	12.5	25.0	50.0	J, D
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
103-65-1	n-Propylbenzene	75.8	2.50	5.00	10.0	D
100-42-5	Styrene		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
630-20-6	1,1,1,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene	713	2.50	5.00	10.0	D
87-61-6	1,2,3-Trichlorobenzene		2.50	5.00	10.0	Y, U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	10.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-69-4	Trichlorofluoromethane		5.00	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane		5.00	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	43.6	2.50	5.00	10.0	D
95-63-6	1,2,4-Trimethylbenzene	104	2.50	5.00	10.0	D
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	353	7.50	15.0	30.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.78	106	75 - 120	
Dibromofluoromethane	30.00	32.29	108	85 - 115	
1,2-Dichloroethane-d4	30.00	31.78	106	70 - 120	
Toluene-d8	30.00	31.87	106	85 - 120	

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07RE1	File ID:	0215307D.D
Sampled:	02/22/12 10:23	Prepared:	02/27/12 00:00	Analyzed:	02/27/12 15:28
Solids:		Preparation:	5030B	Dilution:	20

Batch: 2B27011 Sequence: 2B05911 Calibration: 2058001 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	76.6	50.0	100	200	Y, J, D
71-43-2	Benzene	2730	5.00	10.0	20.0	D
108-86-1	Bromobenzene		5.00	10.0	20.0	U
74-97-5	Bromochloromethane		5.00	10.0	20.0	U
75-27-4	Bromodichloromethane		5.00	10.0	20.0	U
75-25-2	Bromoform		5.00	10.0	20.0	U
74-83-9	Bromomethane		10.0	20.0	40.0	U
104-51-8	n-Butylbenzene	7.20	5.00	10.0	20.0	J, D
78-93-3	2-Butanone		50.0	100	200	U
135-98-8	sec-Butylbenzene	8.80	5.00	10.0	20.0	J, D
98-06-6	tert-Butylbenzene		5.00	10.0	20.0	U
75-15-0	Carbon disulfide		5.00	10.0	20.0	U
56-23-5	Carbon tetrachloride		5.00	10.0	20.0	U
108-90-7	Chlorobenzene		5.00	10.0	20.0	U
75-00-3	Chloroethane		10.0	20.0	40.0	U
67-66-3	Chloroform		5.00	10.0	20.0	U
74-87-3	Chloromethane		5.00	10.0	20.0	U
95-49-8	2-Chlorotoluene		5.00	10.0	20.0	U
106-43-4	4-Chlorotoluene		5.00	10.0	20.0	U
124-48-1	Dibromochloromethane		5.00	10.0	20.0	U
96-12-8	1,2-Dibromo-3-chloropropane		10.0	20.0	40.0	U
106-93-4	1,2-Dibromoethane (EDB)		5.00	10.0	20.0	U
74-95-3	Dibromomethane		5.00	10.0	20.0	U
95-50-1	1,2-Dichlorobenzene		5.00	10.0	20.0	U
541-73-1	1,3-Dichlorobenzene		5.00	10.0	20.0	U
106-46-7	1,4-Dichlorobenzene		5.00	10.0	20.0	U
75-71-8	Dichlorodifluoromethane		10.0	20.0	40.0	U
75-34-3	1,1-Dichloroethane		5.00	10.0	20.0	U
107-06-2	1,2-Dichloroethane		5.00	10.0	20.0	U
75-35-4	1,1-Dichloroethene		5.00	10.0	20.0	U
156-59-2	cis-1,2-Dichloroethene		5.00	10.0	20.0	U
156-60-5	trans-1,2-Dichloroethene		5.00	10.0	20.0	U
78-87-5	1,2-Dichloropropane		5.00	10.0	20.0	U
142-28-9	1,3-Dichloropropane		5.00	10.0	20.0	U
594-20-7	2,2-Dichloropropane		5.00	10.0	20.0	U
563-58-6	1,1-Dichloropropene		5.00	10.0	20.0	U
10061-01-5	cis-1,3-Dichloropropene		5.00	10.0	20.0	U
10061-02-6	trans-1,3-Dichloropropene		5.00	10.0	20.0	U
100-41-4	Ethylbenzene	1180	5.00	10.0	20.0	D
87-68-3	Hexachlorobutadiene		5.00	10.0	20.0	U

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07RE1	File ID:	0215307D.D
Sampled:	02/22/12 10:23	Prepared:	02/27/12 00:00	Analyzed:	02/27/12 15:28
Solids:		Preparation:	5030B	Dilution:	20

Batch: 2B27011 Sequence: 2B05911 Calibration: 2058001 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		25.0	50.0	100	U
98-82-8	Isopropylbenzene	75.8	5.00	10.0	20.0	D
99-87-6	p-Isopropyltoluene	7.40	5.00	10.0	20.0	J, D
75-09-2	Methylene chloride		10.0	20.0	40.0	U
91-20-3	Naphthalene	107	5.00	10.0	20.0	D
108-10-1	4-Methyl-2-pentanone		25.0	50.0	100	U
1634-04-4	Methyl t-Butyl Ether		5.00	10.0	20.0	U
103-65-1	n-Propylbenzene	78.0	5.00	10.0	20.0	D
100-42-5	Styrene		5.00	10.0	20.0	U
79-34-5	1,1,2,2-Tetrachloroethane		5.00	10.0	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane		5.00	10.0	20.0	U
127-18-4	Tetrachloroethene		5.00	10.0	20.0	U
108-88-3	Toluene	727	5.00	10.0	20.0	D
87-61-6	1,2,3-Trichlorobenzene		5.00	10.0	20.0	U
120-82-1	1,2,4-Trichlorobenzene		5.00	10.0	20.0	U
79-00-5	1,1,2-Trichloroethane		5.00	10.0	20.0	U
71-55-6	1,1,1-Trichloroethane		5.00	10.0	20.0	U
79-01-6	Trichloroethene		5.00	10.0	20.0	U
75-69-4	Trichlorofluoromethane		10.0	20.0	40.0	U
96-18-4	1,2,3-Trichloropropane		10.0	20.0	40.0	U
108-67-8	1,3,5-Trimethylbenzene	45.8	5.00	10.0	20.0	D
95-63-6	1,2,4-Trimethylbenzene	109	5.00	10.0	20.0	D
75-01-4	Vinyl chloride		5.00	10.0	20.0	U
1330-20-7	Xylenes (total)	345	15.0	30.0	60.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.48	102	75 - 120	
Dibromofluoromethane	30.00	30.13	100	85 - 115	
1,2-Dichloroethane-d4	30.00	29.74	99.1	70 - 120	
Toluene-d8	30.00	31.31	104	85 - 120	

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09	File ID:	0215309D.D
Sampled:	02/21/12 15:41	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 15:22
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	7.60	5.00	10.0	20.0	J, D
71-43-2	Benzene	0.943	0.500	1.00	2.00	J, D
108-86-1	Bromobenzene		0.500	1.00	2.00	U
74-97-5	Bromochloromethane		0.500	1.00	2.00	U
75-27-4	Bromodichloromethane		0.500	1.00	2.00	U
75-25-2	Bromoform		0.500	1.00	2.00	U
74-83-9	Bromomethane		1.00	2.00	4.00	U
104-51-8	n-Butylbenzene		0.500	1.00	2.00	U
78-93-3	2-Butanone		5.00	10.0	20.0	U
135-98-8	sec-Butylbenzene		0.500	1.00	2.00	U
98-06-6	tert-Butylbenzene		0.500	1.00	2.00	U
75-15-0	Carbon disulfide		0.500	1.00	2.00	U
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)		0.500	1.00	2.00	U
74-95-3	Dibromomethane		0.500	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene		0.500	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene		0.500	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene		0.500	1.00	2.00	U
75-71-8	Dichlorodifluoromethane		1.00	2.00	4.00	X, U
75-34-3	1,1-Dichloroethane		0.500	1.00	2.00	U
107-06-2	1,2-Dichloroethane	3.05	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	0.815	0.500	1.00	2.00	J, D
87-68-3	Hexachlorobutadiene		0.500	1.00	2.00	Y, U

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09	File ID:	0215309D.D
Sampled:	02/21/12 15:41	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 15:22
Solids:		Preparation:	5030B	Dilution:	2

Batch: 2B24009 Sequence: 2B05903 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	5.25	0.500	1.00	2.00	D
99-87-6	p-Isopropyltoluene	1.12	0.500	1.00	2.00	J, D
75-09-2	Methylene chloride		1.00	2.00	4.00	U
91-20-3	Naphthalene	2.94	0.500	1.00	2.00	Y, D, B
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.500	1.00	2.00	U
103-65-1	n-Propylbenzene		0.500	1.00	2.00	U
100-42-5	Styrene		0.500	1.00	2.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.500	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.500	1.00	2.00	U
127-18-4	Tetrachloroethene		0.500	1.00	2.00	U
108-88-3	Toluene		0.500	1.00	2.00	U
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	1.73	0.500	1.00	2.00	J, D
95-63-6	1,2,4-Trimethylbenzene		0.500	1.00	2.00	U
75-01-4	Vinyl chloride		0.500	1.00	2.00	U
1330-20-7	Xylenes (total)		1.50	3.00	6.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.29	101	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.21	104	70 - 120	
Toluene-d8	30.00	31.76	106	85 - 120	

ANALYSIS DATA SHEET

GW8043-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-11	File ID:	0215311.D
Sampled:	02/22/12 14:14	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 10:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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

GW8043-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-11	File ID:	0215311.D
Sampled:	02/22/12 14:14	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 10:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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	30.69	102	75 - 120	
Dibromofluoromethane	30.00	32.33	108	85 - 115	
1,2-Dichloroethane-d4	30.00	32.32	108	70 - 120	
Toluene-d8	30.00	30.62	102	85 - 120	

ANALYSIS DATA SHEET

GW8181-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-12	File ID:	0215312.D
Sampled:	02/22/12 08:00	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 10:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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

GW8181-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-12	File ID:	0215312.D
Sampled:	02/22/12 08:00	Prepared:	02/24/12 00:00	Analyzed:	02/24/12 10:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B24009 Sequence: 2B05903 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	29.91	99.7	75 - 120	
Dibromofluoromethane	30.00	33.60	112	85 - 115	
1,2-Dichloroethane-d4	30.00	32.96	110	70 - 120	
Toluene-d8	30.00	31.07	104	85 - 120	

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01	File ID:	0215901.D
Sampled:	02/22/12 15:47	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 13:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01	File ID:	0215901.D
Sampled:	02/22/12 15:47	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 13:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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	29.94	99.8	75 - 120	
Dibromofluoromethane	30.00	29.25	97.5	85 - 115	
1,2-Dichloroethane-d4	30.00	28.95	96.5	70 - 120	
Toluene-d8	30.00	29.42	98.1	85 - 120	

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03	File ID:	0215903D.D
Sampled:	02/23/12 12:32	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 19:09
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	918	250	500	1000	Y, J, D
71-43-2	Benzene	5860	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone		250	500	1000	U
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene	57.0	25.0	50.0	100	J, D
75-15-0	Carbon disulfide		25.0	50.0	100	U
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	161	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1140	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	100	U

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03	File ID:	0215903D.D
Sampled:	02/23/12 12:32	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 19:09
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		125	250	500	U
98-82-8	Isopropylbenzene	93.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	305	25.0	50.0	100	D
108-10-1	4-Methyl-2-pentanone	134	125	250	500	J, D
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	106	25.0	50.0	100	D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	9940	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	100	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	100	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	133	25.0	50.0	100	D
95-63-6	1,2,4-Trimethylbenzene	407	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	4290	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.29	101	75 - 120	
Dibromofluoromethane	30.00	29.20	97.3	85 - 115	
1,2-Dichloroethane-d4	30.00	28.24	94.1	70 - 120	
Toluene-d8	30.00	28.64	95.5	85 - 120	

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05	File ID:	0215905.D
Sampled:	02/23/12 09:32	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 14:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05	File ID:	0215905.D
Sampled:	02/23/12 09:32	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 14:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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	30.06	100	75 - 120	
Dibromofluoromethane	30.00	29.61	98.7	85 - 115	
1,2-Dichloroethane-d4	30.00	29.51	98.4	70 - 120	
Toluene-d8	30.00	29.99	100	85 - 120	

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07	File ID:	0215907.D
Sampled:	02/23/12 10:15	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 14:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07	File ID:	0215907.D
Sampled:	02/23/12 10:15	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 14:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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	0.610	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	30.22	101	75 - 120	
Dibromofluoromethane	30.00	29.48	98.3	85 - 115	
1,2-Dichloroethane-d4	30.00	29.34	97.8	70 - 120	
Toluene-d8	30.00	29.03	96.8	85 - 120	

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09	File ID:	0215909.D
Sampled:	02/23/12 14:05	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 15:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09	File ID:	0215909.D
Sampled:	02/23/12 14:05	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 15:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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	29.27	97.6	75 - 120	
Dibromofluoromethane	30.00	29.33	97.8	85 - 115	
1,2-Dichloroethane-d4	30.00	29.07	96.9	70 - 120	
Toluene-d8	30.00	29.78	99.3	85 - 120	

ANALYSIS DATA SHEET

GW8044-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-11	File ID:	0215911.D
Sampled:	02/23/12 10:15	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 13:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW8044-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-11	File ID:	0215911.D
Sampled:	02/23/12 10:15	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 13:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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	29.96	99.9	75 - 120	
Dibromofluoromethane	30.00	28.16	93.9	85 - 115	
1,2-Dichloroethane-d4	30.00	27.80	92.7	70 - 120	
Toluene-d8	30.00	29.89	99.6	85 - 120	

ANALYSIS DATA SHEET

GW8182-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-12	File ID:	0215912.D
Sampled:	02/23/12 08:00	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 12:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

GW8182-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-12	File ID:	0215912.D
Sampled:	02/23/12 08:00	Prepared:	02/28/12 00:00	Analyzed:	02/28/12 12:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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	29.79	99.3	75 - 120	
Dibromofluoromethane	30.00	28.95	96.5	85 - 115	
1,2-Dichloroethane-d4	30.00	29.88	99.6	70 - 120	
Toluene-d8	30.00	29.60	98.7	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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	
GW8179-TB (1202137-11) ug/L				Lab File ID: 0213711.D		Analyzed: 02/23/12 14:47		
Bromofluorobenzene	30.00	98.8	75 - 120	12.277	12.276	0.0010	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.974	6.973	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	113	70 - 120	7.466	7.465	0.0010	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.67	9.669	0.0010	+/-1.000	
GW8180-TB (1202147-09) ug/L				Lab File ID: 0214709.D		Analyzed: 02/23/12 15:15		
Bromofluorobenzene	30.00	101	75 - 120	12.276	12.276	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.974	6.973	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	114	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	
GW0449 (1202137-07) ug/L				Lab File ID: 0213707.D		Analyzed: 02/23/12 16:40		
Bromofluorobenzene	30.00	102	75 - 120	12.281	12.276	0.0050	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.969	6.973	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.461	7.465	-0.0040	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.665	9.669	-0.0040	+/-1.000	
GW0450 (1202137-09) ug/L				Lab File ID: 0213709.D		Analyzed: 02/23/12 17:08		
Bromofluorobenzene	30.00	103	75 - 120	12.281	12.276	0.0050	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.969	6.973	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.46	7.465	-0.0050	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.664	9.669	-0.0050	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0451 (1202147-01) ug/L				Lab File ID: 0214701.D		Analyzed: 02/23/12 17:36		
Bromofluorobenzene	30.00	104	75 - 120	12.282	12.276	0.0060	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.97	6.973	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.462	7.465	-0.0030	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.665	9.669	-0.0040	+/-1.000	
GW0464 (1202147-03) ug/L				Lab File ID: 0214703.D		Analyzed: 02/23/12 18:04		
Bromofluorobenzene	30.00	100	75 - 120	12.282	12.276	0.0060	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.969	6.973	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.461	7.465	-0.0040	+/-1.000	
Toluene-d8	30.00	99.0	85 - 120	9.665	9.669	-0.0040	+/-1.000	
GW0478 (1202147-07) ug/L				Lab File ID: 0214707.D		Analyzed: 02/23/12 18:33		
Bromofluorobenzene	30.00	103	75 - 120	12.282	12.276	0.0060	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.969	6.973	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.471	7.465	0.0060	+/-1.000	
Toluene-d8	30.00	99.3	85 - 120	9.665	9.669	-0.0040	+/-1.000	
GW0389 (1202137-01) ug/L				Lab File ID: 0213701D.D		Analyzed: 02/23/12 19:29		
Bromofluorobenzene	30.00	102	75 - 120	12.277	12.276	0.0010	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.975	6.973	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.467	7.465	0.0020	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.67	9.669	0.0010	+/-1.000	
GW0390 (1202137-03) ug/L				Lab File ID: 0213703D.D		Analyzed: 02/23/12 19:57		
Bromofluorobenzene	30.00	107	75 - 120	12.283	12.276	0.0070	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.971	6.973	-0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.463	7.465	-0.0020	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.666	9.669	-0.0030	+/-1.000	
GW0444 (1202137-05) ug/L				Lab File ID: 0213705D.D		Analyzed: 02/23/12 20:25		
Bromofluorobenzene	30.00	104	75 - 120	12.276	12.276	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.973	6.973	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.465	7.465	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.669	9.669	0.0000	+/-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	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05903	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05903-CCV1) ug/L				Lab File ID: 0224CCV1.D		Analyzed: 02/24/12 06:14		
Bromofluorobenzene	30.00	111	80 - 120	12.273	12.273	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	80 - 120	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	109	80 - 120	7.452	7.452	0.0000	+/-1.000	
Toluene-d8	30.00	110	80 - 120	9.656	9.656	0.0000	+/-1.000	
LCS (2B24009-BS1) ug/L				Lab File ID: 0224LCS1.D		Analyzed: 02/24/12 06:53		
Bromofluorobenzene	30.00	105	75 - 120	12.271	12.273	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.949	6.96	-0.0110	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.441	7.452	-0.0110	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.655	9.656	-0.0010	+/-1.000	
Blank (2B24009-BLK1) ug/L				Lab File ID: 0224BLK1.D		Analyzed: 02/24/12 08:17		
Bromofluorobenzene	30.00	100	75 - 120	12.262	12.273	-0.0110	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	107	70 - 120	7.441	7.452	-0.0110	+/-1.000	
Toluene-d8	30.00	99.2	85 - 120	9.645	9.656	-0.0110	+/-1.000	
GW8043-AB (1202153-11) ug/L				Lab File ID: 0215311.D		Analyzed: 02/24/12 10:10		
Bromofluorobenzene	30.00	102	75 - 120	12.258	12.273	-0.0150	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.946	6.96	-0.0140	+/-1.000	
1,2-Dichloroethane-d4	30.00	108	70 - 120	7.438	7.452	-0.0140	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.642	9.656	-0.0140	+/-1.000	
GW8181-TB (1202153-12) ug/L				Lab File ID: 0215312.D		Analyzed: 02/24/12 10:38		
Bromofluorobenzene	30.00	99.7	75 - 120	12.259	12.273	-0.0140	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.947	6.96	-0.0130	+/-1.000	
1,2-Dichloroethane-d4	30.00	110	70 - 120	7.438	7.452	-0.0140	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.642	9.656	-0.0140	+/-1.000	
GW0440 (1202153-01) ug/L				Lab File ID: 0215301.D		Analyzed: 02/24/12 11:36		
Bromofluorobenzene	30.00	102	75 - 120	12.263	12.273	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.94	6.96	-0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	113	70 - 120	7.432	7.452	-0.0200	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.646	9.656	-0.0100	+/-1.000	
GW0457 (1202153-03) ug/L				Lab File ID: 0215303.D		Analyzed: 02/24/12 12:04		
Bromofluorobenzene	30.00	100	75 - 120	12.253	12.273	-0.0200	+/-1.000	
Dibromofluoromethane	30.00	114	85 - 115	6.941	6.96	-0.0190	+/-1.000	
1,2-Dichloroethane-d4	30.00	114	70 - 120	7.433	7.452	-0.0190	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.646	9.656	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05903	Instrument:	MS-VOA4
		Calibration:	2011004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0476 (1202147-05RE1) ug/L				Lab File ID: 0214705R.D		Analyzed: 02/24/12 13:57		
Bromofluorobenzene	30.00	102	75 - 120	12.257	12.273	-0.0160	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.945	6.96	-0.0150	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.7	70 - 120	7.437	7.452	-0.0150	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.64	9.656	-0.0160	+/-1.000	
GW0462 (1202153-05) ug/L				Lab File ID: 0215305D.D		Analyzed: 02/24/12 14:25		
Bromofluorobenzene	30.00	98.8	75 - 120	12.252	12.273	-0.0210	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.94	6.96	-0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.432	7.452	-0.0200	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.635	9.656	-0.0210	+/-1.000	
GW0463 (1202153-07) ug/L				Lab File ID: 0215307D.D		Analyzed: 02/24/12 14:53		
Bromofluorobenzene	30.00	106	75 - 120	12.253	12.273	-0.0200	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.94	6.96	-0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.432	7.452	-0.0200	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.636	9.656	-0.0200	+/-1.000	
GW0477 (1202153-09) ug/L				Lab File ID: 0215309D.D		Analyzed: 02/24/12 15:22		
Bromofluorobenzene	30.00	101	75 - 120	12.257	12.273	-0.0160	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.935	6.96	-0.0250	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.427	7.452	-0.0250	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.641	9.656	-0.0150	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05911	Instrument:	MS-VOA6
		Calibration:	2058001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05911-CCV1) ug/L				Lab File ID: 0227CCV1.D		Analyzed: 02/27/12 08:47		
Bromofluorobenzene	30.00	105	80 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	80 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	105	80 - 120	9.63	9.63	0.0000	+/-1.000	
LCS (2B27011-BS1) ug/L				Lab File ID: 0227LCS1.D		Analyzed: 02/27/12 09:14		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.64	9.63	0.0100	+/-1.000	
Blank (2B27011-BLK1) ug/L				Lab File ID: 0227BL1.D		Analyzed: 02/27/12 10:34		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0463 (1202153-07RE1) ug/L				Lab File ID: 0215307D.D		Analyzed: 02/27/12 15:28		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.1	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.63	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06039	Instrument:	MS-VOA3
		Calibration:	2059001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B06039-CCV1) ug/L				Lab File ID: 0228CCV1.D		Analyzed: 02/28/12 09:50		
Bromofluorobenzene	30.00	106	80 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.2	80 - 120	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.9	80 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.2	80 - 120	9.483	9.483	0.0000	+/-1.000	
LCS (2B28001-BS1) ug/L				Lab File ID: 0228LCS1.D		Analyzed: 02/28/12 10:17		
Bromofluorobenzene	30.00	105	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.9	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.6	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	98.4	85 - 120	9.483	9.483	0.0000	+/-1.000	
Blank (2B28001-BLK1) ug/L				Lab File ID: 0228BLK1.D		Analyzed: 02/28/12 11:37		
Bromofluorobenzene	30.00	99.7	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.1	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.0	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.483	9.483	0.0000	+/-1.000	
GW8182-TB (1202159-12) ug/L				Lab File ID: 0215912.D		Analyzed: 02/28/12 12:57		
Bromofluorobenzene	30.00	99.3	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.5	85 - 115	6.721	6.727	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.6	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	98.7	85 - 120	9.483	9.483	0.0000	+/-1.000	
GW8044-AB (1202159-11) ug/L				Lab File ID: 0215911.D		Analyzed: 02/28/12 13:24		
Bromofluorobenzene	30.00	99.9	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	93.9	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.7	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.483	9.483	0.0000	+/-1.000	
GW0399 (1202159-01) ug/L				Lab File ID: 0215901.D		Analyzed: 02/28/12 13:50		
Bromofluorobenzene	30.00	99.8	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.5	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.5	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	98.1	85 - 120	9.483	9.483	0.0000	+/-1.000	
GW0439 (1202159-05) ug/L				Lab File ID: 0215905.D		Analyzed: 02/28/12 14:17		
Bromofluorobenzene	30.00	100	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.7	85 - 115	6.721	6.727	-0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.4	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.483	9.483	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06039	Instrument:	MS-VOA3
		Calibration:	2059001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0455 (1202159-07) ug/L				Lab File ID: 0215907.D		Analyzed: 02/28/12 14:44		
Bromofluorobenzene	30.00	101	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.3	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.8	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	96.8	85 - 120	9.483	9.483	0.0000	+/-1.000	
GW0456 (1202159-09) ug/L				Lab File ID: 0215909.D		Analyzed: 02/28/12 15:10		
Bromofluorobenzene	30.00	97.6	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.8	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.9	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	99.3	85 - 120	9.483	9.483	0.0000	+/-1.000	
GW0438 (1202159-03) ug/L				Lab File ID: 0215903D.D		Analyzed: 02/28/12 19:09		
Bromofluorobenzene	30.00	101	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.3	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.1	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	95.5	85 - 120	9.483	9.483	0.0000	+/-1.000	
Matrix Spike (2B28001-MS1) ug/L				Lab File ID: 0215905M.D		Analyzed: 02/28/12 19:36		
Bromofluorobenzene	30.00	100	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.0	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.7	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	91.5	85 - 120	9.483	9.483	0.0000	+/-1.000	
Matrix Spike Dup (2B28001-MSD1) ug/L				Lab File ID: 0215905S.D		Analyzed: 02/28/12 20:02		
Bromofluorobenzene	30.00	102	75 - 120	12.129	12.129	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.1	85 - 115	6.727	6.727	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.4	70 - 120	7.232	7.232	0.0000	+/-1.000	
Toluene-d8	30.00	94.3	85 - 120	9.483	9.483	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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_045
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_045
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

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B24009	Laboratory ID:	2B24009-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	92.6	92.6	40 - 140
Benzene	50.00	52.4	105	80 - 120
Bromobenzene	50.00	50.8	102	75 - 125
Bromochloromethane	50.00	55.8	112	65 - 130
Bromodichloromethane	50.00	49.8	99.5	75 - 120
Bromoform	50.00	54.6	109	70 - 130
Bromomethane	50.00	54.8	110	30 - 145
n-Butylbenzene	50.00	49.1	98.3	70 - 135
2-Butanone	100.0	84.8	84.8	30 - 150
sec-Butylbenzene	50.00	47.9	95.8	70 - 125
tert-Butylbenzene	50.00	49.5	99.1	70 - 130
Carbon disulfide	50.00	46.8	93.7	35 - 160
Carbon tetrachloride	50.00	54.8	110	65 - 140
Chlorobenzene	50.00	50.4	101	80 - 120
Chloroethane	50.00	61.3	123	60 - 135
Chloroform	50.00	49.1	98.2	65 - 135
Chloromethane	50.00	46.1	92.2	40 - 125
2-Chlorotoluene	50.00	48.8	97.6	75 - 125
4-Chlorotoluene	50.00	48.5	96.9	75 - 130
Dibromochloromethane	50.00	51.5	103	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.9	95.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.9	97.9	80 - 120
Dibromomethane	50.00	51.5	103	75 - 125
1,2-Dichlorobenzene	50.00	49.8	99.6	70 - 120
1,3-Dichlorobenzene	50.00	50.2	100	75 - 125
1,4-Dichlorobenzene	50.00	50.0	100	75 - 125
Dichlorodifluoromethane	50.00	50.9	102	30 - 155
1,1-Dichloroethane	50.00	51.5	103	70 - 135
1,2-Dichloroethane	50.00	49.3	98.6	70 - 130
1,1-Dichloroethene	50.00	51.7	103	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B24009	Laboratory ID:	2B24009-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	52.7	105	70 - 125
trans-1,2-Dichloroethene	50.00	54.2	108	60 - 140
1,2-Dichloropropane	50.00	51.9	104	75 - 125
1,3-Dichloropropane	50.00	50.1	100	75 - 125
2,2-Dichloropropane	50.00	52.0	104	70 - 135
1,1-Dichloropropene	50.00	53.5	107	75 - 130
cis-1,3-Dichloropropene	50.00	54.6	109	70 - 130
trans-1,3-Dichloropropene	50.00	44.4	88.8	55 - 140
Ethylbenzene	50.00	50.5	101	75 - 125
Hexachlorobutadiene	50.00	42.8	85.7	50 - 140
2-Hexanone	100.0	82.7	82.7	55 - 130
Isopropylbenzene	50.00	46.8	93.7	75 - 125
p-Isopropyltoluene	50.00	46.8	93.7	75 - 130
Methylene chloride	50.00	50.1	100	55 - 140
Naphthalene	50.00	47.8	95.6	55 - 140
4-Methyl-2-pentanone	100.0	89.8	89.8	60 - 135
Methyl t-Butyl Ether	50.00	48.3	96.5	65 - 125
n-Propylbenzene	50.00	49.5	98.9	70 - 130
Styrene	50.00	49.3	98.6	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.4	98.7	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.3	107	80 - 130
Tetrachloroethene	50.00	53.1	106	45 - 150
Toluene	50.00	51.2	102	75 - 120
1,2,3-Trichlorobenzene	50.00	43.5	86.9	55 - 140
1,2,4-Trichlorobenzene	50.00	46.0	91.9	65 - 135
1,1,2-Trichloroethane	50.00	51.3	103	75 - 125
1,1,1-Trichloroethane	50.00	52.5	105	65 - 130
Trichloroethene	50.00	53.8	108	70 - 125
Trichlorofluoromethane	50.00	54.8	110	60 - 145
1,2,3-Trichloropropane	50.00	47.8	95.5	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B24009	Laboratory ID:	2B24009-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	50.7	101	75 - 130
1,2,4-Trimethylbenzene	50.00	49.7	99.5	75 - 130
Vinyl chloride	50.00	59.0	118	50 - 145
Xylenes (total)	150.0	145	97.0	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27011	Laboratory ID:	2B27011-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	73.4	73.4	40 - 140
Benzene	50.00	50.8	102	80 - 120
Bromobenzene	50.00	50.6	101	75 - 125
Bromochloromethane	50.00	50.8	102	65 - 130
Bromodichloromethane	50.00	48.8	97.5	75 - 120
Bromoform	50.00	44.9	89.8	70 - 130
Bromomethane	50.00	51.2	102	30 - 145
n-Butylbenzene	50.00	52.4	105	70 - 135
2-Butanone	100.0	86.5	86.5	30 - 150
sec-Butylbenzene	50.00	51.5	103	70 - 125
tert-Butylbenzene	50.00	50.4	101	70 - 130
Carbon disulfide	50.00	45.2	90.5	35 - 160
Carbon tetrachloride	50.00	51.2	102	65 - 140
Chlorobenzene	50.00	49.4	98.8	80 - 120
Chloroethane	50.00	53.4	107	60 - 135
Chloroform	50.00	48.2	96.4	65 - 135
Chloromethane	50.00	48.7	97.5	40 - 125
2-Chlorotoluene	50.00	50.8	102	75 - 125
4-Chlorotoluene	50.00	50.6	101	75 - 130
Dibromochloromethane	50.00	52.3	105	60 - 135
1,2-Dibromo-3-chloropropane	50.00	53.0	106	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.2	102	80 - 120
Dibromomethane	50.00	48.5	97.1	75 - 125
1,2-Dichlorobenzene	50.00	49.8	99.7	70 - 120
1,3-Dichlorobenzene	50.00	50.0	100	75 - 125
1,4-Dichlorobenzene	50.00	50.6	101	75 - 125
Dichlorodifluoromethane	50.00	43.5	87.0	30 - 155
1,1-Dichloroethane	50.00	50.6	101	70 - 135
1,2-Dichloroethane	50.00	47.9	95.8	70 - 130
1,1-Dichloroethene	50.00	48.0	96.0	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27011	Laboratory ID:	2B27011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	50.6	101	70 - 125
trans-1,2-Dichloroethene	50.00	51.8	104	60 - 140
1,2-Dichloropropane	50.00	50.6	101	75 - 125
1,3-Dichloropropane	50.00	51.6	103	75 - 125
2,2-Dichloropropane	50.00	52.1	104	70 - 135
1,1-Dichloropropene	50.00	50.2	100	75 - 130
cis-1,3-Dichloropropene	50.00	53.5	107	70 - 130
trans-1,3-Dichloropropene	50.00	48.1	96.1	55 - 140
Ethylbenzene	50.00	51.0	102	75 - 125
Hexachlorobutadiene	50.00	54.7	109	50 - 140
2-Hexanone	100.0	95.0	95.0	55 - 130
Isopropylbenzene	50.00	48.4	96.8	75 - 125
p-Isopropyltoluene	50.00	49.5	99.1	75 - 130
Methylene chloride	50.00	48.6	97.2	55 - 140
Naphthalene	50.00	54.3	109	55 - 140
4-Methyl-2-pentanone	100.0	93.9	93.9	60 - 135
Methyl t-Butyl Ether	50.00	51.0	102	65 - 125
n-Propylbenzene	50.00	51.0	102	70 - 130
Styrene	50.00	51.9	104	65 - 135
1,1,2,2-Tetrachloroethane	50.00	52.4	105	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.2	100	80 - 130
Tetrachloroethene	50.00	50.5	101	45 - 150
Toluene	50.00	50.5	101	75 - 120
1,2,3-Trichlorobenzene	50.00	54.8	110	55 - 140
1,2,4-Trichlorobenzene	50.00	53.8	108	65 - 135
1,1,2-Trichloroethane	50.00	52.5	105	75 - 125
1,1,1-Trichloroethane	50.00	50.4	101	65 - 130
Trichloroethene	50.00	50.5	101	70 - 125
Trichlorofluoromethane	50.00	49.0	97.9	60 - 145
1,2,3-Trichloropropane	50.00	50.4	101	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27011	Laboratory ID:	2B27011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.3	107	75 - 130
1,2,4-Trimethylbenzene	50.00	51.5	103	75 - 130
Vinyl chloride	50.00	57.9	116	50 - 145
Xylenes (total)	150.0	154	103	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28001	Laboratory ID:	2B28001-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	83.2	83.2	40 - 140
Benzene	50.00	47.4	94.8	80 - 120
Bromobenzene	50.00	48.6	97.1	75 - 125
Bromochloromethane	50.00	46.9	93.8	65 - 130
Bromodichloromethane	50.00	47.9	95.8	75 - 120
Bromoform	50.00	42.7	85.5	70 - 130
Bromomethane	50.00	47.7	95.5	30 - 145
n-Butylbenzene	50.00	52.1	104	70 - 135
2-Butanone	100.0	108	108	30 - 150
sec-Butylbenzene	50.00	51.6	103	70 - 125
tert-Butylbenzene	50.00	51.2	102	70 - 130
Carbon disulfide	50.00	41.2	82.4	35 - 160
Carbon tetrachloride	50.00	51.9	104	65 - 140
Chlorobenzene	50.00	46.2	92.5	80 - 120
Chloroethane	50.00	47.4	94.9	60 - 135
Chloroform	50.00	45.5	91.0	65 - 135
Chloromethane	50.00	43.7	87.4	40 - 125
2-Chlorotoluene	50.00	49.0	98.1	75 - 125
4-Chlorotoluene	50.00	48.5	97.1	75 - 130
Dibromochloromethane	50.00	55.0	110	60 - 135
1,2-Dibromo-3-chloropropane	50.00	41.3	82.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.7	95.3	80 - 120
Dibromomethane	50.00	44.5	89.0	75 - 125
1,2-Dichlorobenzene	50.00	47.9	95.9	70 - 120
1,3-Dichlorobenzene	50.00	47.4	94.8	75 - 125
1,4-Dichlorobenzene	50.00	46.6	93.1	75 - 125
Dichlorodifluoromethane	50.00	47.1	94.1	30 - 155
1,1-Dichloroethane	50.00	46.5	93.0	70 - 135
1,2-Dichloroethane	50.00	45.5	90.9	70 - 130
1,1-Dichloroethene	50.00	45.7	91.4	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28001	Laboratory ID:	2B28001-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	48.2	96.4	70 - 125
trans-1,2-Dichloroethene	50.00	49.6	99.2	60 - 140
1,2-Dichloropropane	50.00	47.5	95.0	75 - 125
1,3-Dichloropropane	50.00	46.9	93.9	75 - 125
2,2-Dichloropropane	50.00	47.3	94.6	70 - 135
1,1-Dichloropropene	50.00	47.6	95.1	75 - 130
cis-1,3-Dichloropropene	50.00	51.8	104	70 - 130
trans-1,3-Dichloropropene	50.00	45.4	90.7	55 - 140
Ethylbenzene	50.00	50.2	100	75 - 125
Hexachlorobutadiene	50.00	49.4	98.9	50 - 140
2-Hexanone	100.0	112	112	55 - 130
Isopropylbenzene	50.00	48.5	96.9	75 - 125
p-Isopropyltoluene	50.00	48.6	97.1	75 - 130
Methylene chloride	50.00	45.2	90.3	55 - 140
Naphthalene	50.00	42.6	85.3	55 - 140
4-Methyl-2-pentanone	100.0	113	113	60 - 135
Methyl t-Butyl Ether	50.00	46.3	92.5	65 - 125
n-Propylbenzene	50.00	49.8	99.5	70 - 130
Styrene	50.00	44.0	88.0	65 - 135
1,1,2,2-Tetrachloroethane	50.00	44.6	89.2	65 - 130
1,1,1,2-Tetrachloroethane	50.00	52.2	104	80 - 130
Tetrachloroethene	50.00	48.3	96.6	45 - 150
Toluene	50.00	48.3	96.6	75 - 120
1,2,3-Trichlorobenzene	50.00	50.8	102	55 - 140
1,2,4-Trichlorobenzene	50.00	50.3	101	65 - 135
1,1,2-Trichloroethane	50.00	47.3	94.6	75 - 125
1,1,1-Trichloroethane	50.00	48.8	97.6	65 - 130
Trichloroethene	50.00	47.9	95.8	70 - 125
Trichlorofluoromethane	50.00	48.1	96.3	60 - 145
1,2,3-Trichloropropane	50.00	45.7	91.4	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28001	Laboratory ID:	2B28001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.2	106	75 - 130
1,2,4-Trimethylbenzene	50.00	51.8	104	75 - 130
Vinyl chloride	50.00	51.6	103	50 - 145
Xylenes (total)	150.0	152	102	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28001

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	91.7	91.7		40 - 140
Benzene	50.00	ND	50.5	101		80 - 120
Bromobenzene	50.00	ND	48.3	96.6		75 - 125
Bromochloromethane	50.00	ND	49.2	98.5		65 - 130
Bromodichloromethane	50.00	ND	48.3	96.6		75 - 120
Bromoform	50.00	ND	37.9	75.8		70 - 130
Bromomethane	50.00	ND	15.8	31.6		30 - 145
n-Butylbenzene	50.00	ND	48.9	97.8		70 - 135
2-Butanone	100.0	ND	112	112		30 - 150
sec-Butylbenzene	50.00	ND	49.3	98.5		70 - 125
tert-Butylbenzene	50.00	ND	49.9	99.8		70 - 130
Carbon disulfide	50.00	ND	43.7	87.3		35 - 160
Carbon tetrachloride	50.00	ND	50.1	100		65 - 140
Chlorobenzene	50.00	ND	45.9	91.9		80 - 120
Chloroethane	50.00	ND	50.9	102		60 - 135
Chloroform	50.00	ND	48.1	96.3		65 - 135
Chloromethane	50.00	ND	40.4	80.8		40 - 125
2-Chlorotoluene	50.00	ND	48.1	96.2		75 - 125
4-Chlorotoluene	50.00	ND	47.5	94.9		75 - 130
Dibromochloromethane	50.00	ND	49.6	99.3		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	39.4	78.7		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	46.1	92.3		80 - 120
Dibromomethane	50.00	ND	47.1	94.2		75 - 125
1,2-Dichlorobenzene	50.00	ND	47.4	94.7		70 - 120
1,3-Dichlorobenzene	50.00	ND	47.2	94.4		75 - 125
1,4-Dichlorobenzene	50.00	ND	46.6	93.2		75 - 125
Dichlorodifluoromethane	50.00	ND	45.0	90.0		30 - 155
1,1-Dichloroethane	50.00	ND	48.4	96.8		70 - 135
1,2-Dichloroethane	50.00	ND	49.0	98.0		70 - 130
1,1-Dichloroethene	50.00	ND	43.4	86.9		70 - 130
cis-1,2-Dichloroethene	50.00	ND	50.0	100		70 - 125
trans-1,2-Dichloroethene	50.00	ND	50.4	101		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28001

% Solids:

Source Sample Name: **1202159-05**

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	49.8	99.7		75 - 125
1,3-Dichloropropane	50.00	ND	47.8	95.7		75 - 125
2,2-Dichloropropane	50.00	ND	44.0	88.1		70 - 135
1,1-Dichloropropene	50.00	ND	48.9	97.8		75 - 130
cis-1,3-Dichloropropene	50.00	ND	51.0	102		70 - 130
trans-1,3-Dichloropropene	50.00	ND	43.3	86.7		55 - 140
Ethylbenzene	50.00	ND	49.5	99.0		75 - 125
Hexachlorobutadiene	50.00	ND	43.1	86.1		50 - 140
2-Hexanone	100.0	ND	117	117		55 - 130
Isopropylbenzene	50.00	ND	48.0	96.0		75 - 125
p-Isopropyltoluene	50.00	ND	46.9	93.7		75 - 130
Methylene chloride	50.00	ND	48.5	96.9		55 - 140
Naphthalene	50.00	ND	40.5	81.1		55 - 140
4-Methyl-2-pentanone	100.0	ND	124	124		60 - 135
Methyl t-Butyl Ether	50.00	ND	45.1	90.2		65 - 125
n-Propylbenzene	50.00	ND	48.1	96.3		70 - 130
Styrene	50.00	ND	42.3	84.6		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	49.9	99.8		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	49.3	98.5		80 - 130
Tetrachloroethene	50.00	ND	45.9	91.8		45 - 150
Toluene	50.00	ND	47.9	95.8		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	47.5	95.0		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	47.0	93.9		65 - 135
1,1,2-Trichloroethane	50.00	ND	47.2	94.4		75 - 125
1,1,1-Trichloroethane	50.00	ND	49.2	98.4		65 - 130
Trichloroethene	50.00	ND	47.2	94.4		70 - 125
Trichlorofluoromethane	50.00	ND	50.6	101		60 - 145
1,2,3-Trichloropropane	50.00	ND	48.6	97.1		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	52.9	106		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	52.0	104		75 - 130
Vinyl chloride	50.00	ND	56.0	112		50 - 145
Xylenes (total)	150.0	ND	150	99.7		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28001

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	90.6	90.6	1.23		30	40 - 140
Benzene	50.00	51.0	102	0.965		30	80 - 120
Bromobenzene	50.00	48.9	97.9	1.34		30	75 - 125
Bromochloromethane	50.00	50.5	101	2.51		30	65 - 130
Bromodichloromethane	50.00	48.7	97.4	0.887		30	75 - 120
Bromoform	50.00	39.8	79.7	5.04		30	70 - 130
Bromomethane	50.00	22.8	45.6	36.2	*	30	30 - 145
n-Butylbenzene	50.00	51.1	102	4.44		30	70 - 135
2-Butanone	100.0	116	116	4.14		30	30 - 150
sec-Butylbenzene	50.00	50.4	101	2.27		30	70 - 125
tert-Butylbenzene	50.00	51.3	103	2.71		30	70 - 130
Carbon disulfide	50.00	43.7	87.5	0.160		30	35 - 160
Carbon tetrachloride	50.00	51.1	102	2.02		30	65 - 140
Chlorobenzene	50.00	47.5	95.1	3.42		30	80 - 120
Chloroethane	50.00	53.0	106	3.95		30	60 - 135
Chloroform	50.00	48.9	97.8	1.61		30	65 - 135
Chloromethane	50.00	39.3	78.6	2.66		30	40 - 125
2-Chlorotoluene	50.00	49.3	98.6	2.44		30	75 - 125
4-Chlorotoluene	50.00	48.7	97.5	2.64		30	75 - 130
Dibromochloromethane	50.00	51.8	104	4.38		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	42.0	83.9	6.42		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	48.8	97.5	5.56		30	80 - 120
Dibromomethane	50.00	48.1	96.3	2.16		30	75 - 125
1,2-Dichlorobenzene	50.00	48.3	96.6	1.99		30	70 - 120
1,3-Dichlorobenzene	50.00	48.1	96.2	1.85		30	75 - 125
1,4-Dichlorobenzene	50.00	47.7	95.3	2.23		30	75 - 125
Dichlorodifluoromethane	50.00	46.9	93.8	4.09		30	30 - 155
1,1-Dichloroethane	50.00	48.6	97.2	0.371		30	70 - 135
1,2-Dichloroethane	50.00	49.1	98.2	0.163		30	70 - 130
1,1-Dichloroethene	50.00	45.6	91.2	4.87		30	70 - 130
cis-1,2-Dichloroethene	50.00	51.3	103	2.57		30	70 - 125
trans-1,2-Dichloroethene	50.00	51.0	102	1.28		30	60 - 140
1,2-Dichloropropane	50.00	50.0	100	0.301		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28001

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	49.1	98.2	2.58		30	75 - 125
2,2-Dichloropropane	50.00	44.7	89.5	1.53		30	70 - 135
1,1-Dichloropropene	50.00	50.5	101	3.32		30	75 - 130
cis-1,3-Dichloropropene	50.00	52.1	104	2.04		30	70 - 130
trans-1,3-Dichloropropene	50.00	46.0	92.0	5.91		30	55 - 140
Ethylbenzene	50.00	50.2	100	1.42		30	75 - 125
Hexachlorobutadiene	50.00	45.9	91.7	6.27		30	50 - 140
2-Hexanone	100.0	122	122	4.28		30	55 - 130
Isopropylbenzene	50.00	48.4	96.8	0.871		30	75 - 125
p-Isopropyltoluene	50.00	48.1	96.2	2.63		30	75 - 130
Methylene chloride	50.00	48.2	96.5	0.476		30	55 - 140
Naphthalene	50.00	42.1	84.1	3.70		30	55 - 140
4-Methyl-2-pentanone	100.0	127	127	2.92		30	60 - 135
Methyl t-Butyl Ether	50.00	47.0	94.0	4.15		30	65 - 125
n-Propylbenzene	50.00	49.5	99.1	2.87		30	70 - 130
Styrene	50.00	43.9	87.7	3.64		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.0	102	2.12		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.8	104	5.03		30	80 - 130
Tetrachloroethene	50.00	47.3	94.5	2.94		30	45 - 150
Toluene	50.00	49.6	99.2	3.53		30	75 - 120
1,2,3-Trichlorobenzene	50.00	50.7	101	6.60		30	55 - 140
1,2,4-Trichlorobenzene	50.00	48.8	97.5	3.74		30	65 - 135
1,1,2-Trichloroethane	50.00	48.6	97.3	2.98		30	75 - 125
1,1,1-Trichloroethane	50.00	50.0	99.9	1.55		30	65 - 130
Trichloroethene	50.00	47.5	95.1	0.739		30	70 - 125
Trichlorofluoromethane	50.00	50.2	100	0.892		30	60 - 145
1,2,3-Trichloropropane	50.00	48.3	96.5	0.620		30	75 - 125
1,3,5-Trimethylbenzene	50.00	53.8	108	1.63		30	75 - 130
1,2,4-Trimethylbenzene	50.00	52.2	104	0.288		30	75 - 130
Vinyl chloride	50.00	57.0	114	1.65		30	50 - 145
Xylenes (total)	150.0	155	103	3.37		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01	02/23/12 00:00	5.00	5.00
GW0390	1202137-03	02/23/12 00:00	5.00	5.00
GW0444	1202137-05	02/23/12 00:00	5.00	5.00
GW0449	1202137-07	02/23/12 00:00	5.00	5.00
GW0450	1202137-09	02/23/12 00:00	5.00	5.00
GW8179-TB	1202137-11	02/23/12 00:00	5.00	5.00
GW0451	1202147-01	02/23/12 00:00	5.00	5.00
GW0464	1202147-03	02/23/12 00:00	5.00	5.00
GW0478	1202147-07	02/23/12 00:00	5.00	5.00
GW8180-TB	1202147-09	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

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B24009 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0476	1202147-05RE1	02/24/12 00:00	5.00	5.00
GW0440	1202153-01	02/24/12 00:00	5.00	5.00
GW0457	1202153-03	02/24/12 00:00	5.00	5.00
GW0462	1202153-05	02/24/12 00:00	5.00	5.00
GW0463	1202153-07	02/24/12 00:00	5.00	5.00
GW0477	1202153-09	02/24/12 00:00	5.00	5.00
GW8043-AB	1202153-11	02/24/12 00:00	5.00	5.00
GW8181-TB	1202153-12	02/24/12 00:00	5.00	5.00
Blank	2B24009-BLK1	02/24/12 00:00	5.00	5.00
LCS	2B24009-BS1	02/24/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B27011 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0463	1202153-07RE1	02/27/12 00:00	5.00	5.00
Blank	2B27011-BLK1	02/27/12 00:00	5.00	5.00
LCS	2B27011-BS1	02/27/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B28001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0399	1202159-01	02/28/12 00:00	5.00	5.00
GW0438	1202159-03	02/28/12 00:00	5.00	5.00
GW0439	1202159-05	02/28/12 00:00	5.00	5.00
GW0455	1202159-07	02/28/12 00:00	5.00	5.00
GW0456	1202159-09	02/28/12 00:00	5.00	5.00
GW8044-AB	1202159-11	02/28/12 00:00	5.00	5.00
GW8182-TB	1202159-12	02/28/12 00:00	5.00	5.00
Blank	2B28001-BLK1	02/28/12 00:00	5.00	5.00
LCS	2B28001-BS1	02/28/12 00:00	5.00	5.00
GW0439	2B28001-MS1	02/28/12 00:00	5.00	5.00
GW0439	2B28001-MSD1	02/28/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0224TUN1.D	Injection Date:	02/24/12
Instrument ID:	MS-VOA6	Injection Time:	07:47
Sequence:	2B05801	Lab Sample ID:	2B05801-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.7	PASS
75	30 - 60% of 95	48.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.67	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.7	PASS
175	5 - 9% of 174	7.18	PASS
176	95 - 101% of 174	97.7	PASS
177	5 - 9% of 176	6.49	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0224TUN1.D	Injection Date:	02/24/12
Instrument ID:	MS-VOA3	Injection Time:	13:25
Sequence:	2B05901	Lab Sample ID:	2B05901-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.8	PASS
75	30 - 60% of 95	46.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.92	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	96.6	PASS
175	5 - 9% of 174	6.93	PASS
176	95 - 101% of 174	96.1	PASS
177	5 - 9% of 176	6.47	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0224TU1.D	Injection Date:	02/24/12
Instrument ID:	MS-VOA4	Injection Time:	05:46
Sequence:	2B05903	Lab Sample ID:	2B05903-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.9	PASS
75	30 - 60% of 95	42.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.04	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	70.5	PASS
175	5 - 9% of 174	7.69	PASS
176	95 - 101% of 174	98.8	PASS
177	5 - 9% of 176	6.96	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0227TUN1.D	Injection Date:	02/27/12
Instrument ID:	MS-VOA6	Injection Time:	08:20
Sequence:	2B05911	Lab Sample ID:	2B05911-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.9	PASS
75	30 - 60% of 95	47.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.59	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.1	PASS
175	5 - 9% of 174	6.89	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	6.39	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0228TUN1.D	Injection Date:	02/28/12
Instrument ID:	MS-VOA3	Injection Time:	09:19
Sequence:	2B06039	Lab Sample ID:	2B06039-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.1	PASS
75	30 - 60% of 95	45.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.16	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	97.7	PASS
175	5 - 9% of 174	7.03	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.55	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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
GW8179-TB	1202137-11	0213711.D	02/23/12 14:47
GW8180-TB	1202147-09	0214709.D	02/23/12 15:15
GW0449	1202137-07	0213707.D	02/23/12 16:40
GW0450	1202137-09	0213709.D	02/23/12 17:08
GW0451	1202147-01	0214701.D	02/23/12 17:36
GW0464	1202147-03	0214703.D	02/23/12 18:04
GW0478	1202147-07	0214707.D	02/23/12 18:33
GW0389	1202137-01	0213701D.D	02/23/12 19:29
GW0390	1202137-03	0213703D.D	02/23/12 19:57
GW0444	1202137-05	0213705D.D	02/23/12 20:25
LCS Dup	2B23009-BSD1	0223LCD1.D	02/23/12 23:14

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05801	Instrument:	MS-VOA6
Calibration:	2058001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05801-TUN1	0224TUN1.D	02/24/12 07:47
Cal Standard	2B05801-CAL1	0224CAL1.D	02/24/12 08:41
Cal Standard	2B05801-CAL2	0224CAL2.D	02/24/12 09:08
Cal Standard	2B05801-CAL3	0224CAL3.D	02/24/12 09:35
Cal Standard	2B05801-CAL4	0224CAL4.D	02/24/12 10:01
Cal Standard	2B05801-CAL5	0224CAL5.D	02/24/12 10:28
Cal Standard	2B05801-CAL6	0224CAL6.D	02/24/12 10:55
Cal Standard	2B05801-CAL7	0224CAL7.D	02/24/12 11:21
Cal Standard	2B05801-CAL8	0224CAL8.D	02/24/12 11:48
Cal Standard	2B05801-CAL9	0224CAL9.D	02/24/12 12:15
Initial Cal Check	2B05801-ICV2	0224ICV2.D	02/24/12 13:35

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05901	Instrument:	MS-VOA3
Calibration:	2059001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05901-TUN1	0224TUN1.D	02/24/12 13:25
Cal Standard	2B05901-CAL1	SEQCAL1.D	02/24/12 14:19
Cal Standard	2B05901-CAL2	SEQCAL2.D	02/24/12 14:45
Cal Standard	2B05901-CAL3	SEQCAL3.D	02/24/12 15:12
Cal Standard	2B05901-CAL4	SEQCAL4.D	02/24/12 15:38
Cal Standard	2B05901-CAL5	SEQCAL5.D	02/24/12 16:05
Cal Standard	2B05901-CAL6	SEQCAL6.D	02/24/12 16:32
Cal Standard	2B05901-CAL7	SEQCAL7.D	02/24/12 16:58
Cal Standard	2B05901-CAL9	SEQCAL9.D	02/24/12 17:52
Initial Cal Check	2B05901-ICV1	SEQICV1.D	02/24/12 18:45

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05903	Instrument:	MS-VOA4
Calibration:	2011004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05903-TUN1	0224TU1.D	02/24/12 05:46
Calibration Check	2B05903-CCV1	0224CCV1.D	02/24/12 06:14
LCS	2B24009-BS1	0224LCS1.D	02/24/12 06:53
Blank	2B24009-BLK1	0224BLK1.D	02/24/12 08:17
GW8043-AB	1202153-11	0215311.D	02/24/12 10:10
GW8181-TB	1202153-12	0215312.D	02/24/12 10:38
GW0440	1202153-01	0215301.D	02/24/12 11:36
GW0457	1202153-03	0215303.D	02/24/12 12:04
GW0476	1202147-05RE1	0214705R.D	02/24/12 13:57
GW0462	1202153-05	0215305D.D	02/24/12 14:25
GW0463	1202153-07	0215307D.D	02/24/12 14:53
GW0477	1202153-09	0215309D.D	02/24/12 15:22

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05911	Instrument:	MS-VOA6
Calibration:	2058001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05911-TUN1	0227TUN1.D	02/27/12 08:20
Calibration Check	2B05911-CCV1	0227CCV1.D	02/27/12 08:47
LCS	2B27011-BS1	0227LCS1.D	02/27/12 09:14
Blank	2B27011-BLK1	0227BL1.D	02/27/12 10:34
GW0463	1202153-07RE1	0215307D.D	02/27/12 15:28

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06039	Instrument:	MS-VOA3
Calibration:	2059001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B06039-TUN1	0228TUN1.D	02/28/12 09:19
Calibration Check	2B06039-CCV1	0228CCV1.D	02/28/12 09:50
LCS	2B28001-BS1	0228LCS1.D	02/28/12 10:17
Blank	2B28001-BLK1	0228BLK1.D	02/28/12 11:37
GW8182-TB	1202159-12	0215912.D	02/28/12 12:57
GW8044-AB	1202159-11	0215911.D	02/28/12 13:24
GW0399	1202159-01	0215901.D	02/28/12 13:50
GW0439	1202159-05	0215905.D	02/28/12 14:17
GW0455	1202159-07	0215907.D	02/28/12 14:44
GW0456	1202159-09	0215909.D	02/28/12 15:10
GW0438	1202159-03	0215903D.D	02/28/12 19:09
GW0439	2B28001-MS1	0215905M.D	02/28/12 19:36
GW0439	2B28001-MSD1	0215905S.D	02/28/12 20:02

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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	
GW8179-TB (1202137-11)			Lab File ID: 0213711.D			Analyzed: 02/23/12 14:47			
Fluorobenzene	964587	7.988	1008754	7.986	96	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	395016	11.087	386193	11.095	102	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	418279	13.487	413574	13.486	101	50 - 200	0.0010	+/-0.50	
GW8180-TB (1202147-09)			Lab File ID: 0214709.D			Analyzed: 02/23/12 15:15			
Fluorobenzene	946352	7.987	1008754	7.986	94	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	379861	11.086	386193	11.095	98	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	406712	13.486	413574	13.486	98	50 - 200	0.0000	+/-0.50	
GW0449 (1202137-07)			Lab File ID: 0213707.D			Analyzed: 02/23/12 16:40			
Fluorobenzene	999720	7.982	1008754	7.986	99	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	398179	11.091	386193	11.095	103	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	433160	13.482	413574	13.486	105	50 - 200	-0.0040	+/-0.50	
GW0450 (1202137-09)			Lab File ID: 0213709.D			Analyzed: 02/23/12 17:08			
Fluorobenzene	987203	7.982	1008754	7.986	98	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	395833	11.09	386193	11.095	102	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	424959	13.481	413574	13.486	103	50 - 200	-0.0050	+/-0.50	
GW0451 (1202147-01)			Lab File ID: 0214701.D			Analyzed: 02/23/12 17:36			
Fluorobenzene	977392	7.983	1008754	7.986	97	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	387773	11.092	386193	11.095	100	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	433674	13.482	413574	13.486	105	50 - 200	-0.0040	+/-0.50	
GW0464 (1202147-03)			Lab File ID: 0214703.D			Analyzed: 02/23/12 18:04			
Fluorobenzene	989555	7.983	1008754	7.986	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	390507	11.091	386193	11.095	101	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	411524	13.482	413574	13.486	100	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0478 (1202147-07)			Lab File ID: 0214707.D			Analyzed: 02/23/12 18:33			
Fluorobenzene	942438	7.992	1008754	7.986	93	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5	374101	11.091	386193	11.095	97	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	399637	13.482	413574	13.486	97	50 - 200	-0.0040	+/-0.50	
GW0389 (1202137-01)			Lab File ID: 0213701D.D			Analyzed: 02/23/12 19:29			
Fluorobenzene	985677	7.988	1008754	7.986	98	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	398853	11.087	386193	11.095	103	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	421508	13.477	413574	13.486	102	50 - 200	-0.0090	+/-0.50	
GW0390 (1202137-03)			Lab File ID: 0213703D.D			Analyzed: 02/23/12 19:57			
Fluorobenzene	999886	7.984	1008754	7.986	99	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	372320	11.093	386193	11.095	96	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	411248	13.483	413574	13.486	99	50 - 200	-0.0030	+/-0.50	
GW0444 (1202137-05)			Lab File ID: 0213705D.D			Analyzed: 02/23/12 20:25			
Fluorobenzene	970127	7.986	1008754	7.986	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	373672	11.085	386193	11.095	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	394888	13.486	413574	13.486	95	50 - 200	0.0000	+/-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	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05903	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05903-CCV1)			Lab File ID: 0224CCV1.D			Analyzed: 02/24/12 06:14			
Fluorobenzene	1001582	7.974	983262	7.953	102	50 - 200	0.0210	+/-0.50	
Chlorobenzene-d5	376068	11.082	383879	11.06	98	50 - 200	0.0220	+/-0.50	
1,4-Dichlorobenzene-d4	413629	13.473	399760	13.457	103	50 - 200	0.0160	+/-0.50	
LCS (2B24009-BS1)			Lab File ID: 0224LCS1.D			Analyzed: 02/24/12 06:53			
Fluorobenzene	1004026	7.972	1001582	7.974	100	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	398754	11.071	376068	11.082	106	50 - 200	-0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	424054	13.471	413629	13.473	103	50 - 200	-0.0020	+/-0.50	
Blank (2B24009-BLK1)			Lab File ID: 0224BLK1.D			Analyzed: 02/24/12 08:17			
Fluorobenzene	1014866	7.963	1001582	7.974	101	50 - 200	-0.0110	+/-0.50	
Chlorobenzene-d5	411523	11.071	376068	11.082	109	50 - 200	-0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	438075	13.462	413629	13.473	106	50 - 200	-0.0110	+/-0.50	
GW8043-AB (1202153-11)			Lab File ID: 0215311.D			Analyzed: 02/24/12 10:10			
Fluorobenzene	966088	7.959	1001582	7.974	96	50 - 200	-0.0150	+/-0.50	
Chlorobenzene-d5	384265	11.068	376068	11.082	102	50 - 200	-0.0140	+/-0.50	
1,4-Dichlorobenzene-d4	413642	13.468	413629	13.473	100	50 - 200	-0.0050	+/-0.50	
GW8181-TB (1202153-12)			Lab File ID: 0215312.D			Analyzed: 02/24/12 10:38			
Fluorobenzene	920646	7.96	1001582	7.974	92	50 - 200	-0.0140	+/-0.50	
Chlorobenzene-d5	375094	11.068	376068	11.082	100	50 - 200	-0.0140	+/-0.50	
1,4-Dichlorobenzene-d4	399742	13.459	413629	13.473	97	50 - 200	-0.0140	+/-0.50	
GW0440 (1202153-01)			Lab File ID: 0215301.D			Analyzed: 02/24/12 11:36			
Fluorobenzene	929561	7.964	1001582	7.974	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	371981	11.072	376068	11.082	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	401834	13.463	413629	13.473	97	50 - 200	-0.0100	+/-0.50	
GW0457 (1202153-03)			Lab File ID: 0215303.D			Analyzed: 02/24/12 12:04			
Fluorobenzene	900730	7.954	1001582	7.974	90	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	372141	11.063	376068	11.082	99	50 - 200	-0.0190	+/-0.50	
1,4-Dichlorobenzene-d4	381131	13.463	413629	13.473	92	50 - 200	-0.0100	+/-0.50	
GW0476 (1202147-05RE1)			Lab File ID: 0214705R.D			Analyzed: 02/24/12 13:57			
Fluorobenzene	945286	7.958	1001582	7.974	94	50 - 200	-0.0160	+/-0.50	
Chlorobenzene-d5	337452	11.067	376068	11.082	90	50 - 200	-0.0150	+/-0.50	
1,4-Dichlorobenzene-d4	369363	13.457	413629	13.473	89	50 - 200	-0.0160	+/-0.50	
GW0462 (1202153-05)			Lab File ID: 0215305D.D			Analyzed: 02/24/12 14:25			
Fluorobenzene	1020712	7.953	1001582	7.974	102	50 - 200	-0.0210	+/-0.50	
Chlorobenzene-d5	391200	11.062	376068	11.082	104	50 - 200	-0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	411945	13.462	413629	13.473	100	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05903	Instrument:	MS-VOA4
		Calibration:	2011004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0463 (1202153-07)			Lab File ID: 0215307D.D			Analyzed: 02/24/12 14:53			
Fluorobenzene	982400	7.954	1001582	7.974	98	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	365908	11.062	376068	11.082	97	50 - 200	-0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	398209	13.463	413629	13.473	96	50 - 200	-0.0100	+/-0.50	
GW0477 (1202153-09)			Lab File ID: 0215309D.D			Analyzed: 02/24/12 15:22			
Fluorobenzene	968591	7.958	1001582	7.974	97	50 - 200	-0.0160	+/-0.50	
Chlorobenzene-d5	370939	11.067	376068	11.082	99	50 - 200	-0.0150	+/-0.50	
1,4-Dichlorobenzene-d4	383377	13.457	413629	13.473	93	50 - 200	-0.0160	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05911	Instrument:	MS-VOA6
		Calibration:	2058001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05911-CCV1)			Lab File ID: 0227CCV1.D			Analyzed: 02/27/12 08:47			
Fluorobenzene	1545376	7.95	1408237	7.97	110	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	628924	11.06	579238	11.08	109	50 - 200	-0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	520285	13.45	482483	13.47	108	50 - 200	-0.0200	+/-0.50	
LCS (2B27011-BS1)			Lab File ID: 0227LCS1.D			Analyzed: 02/27/12 09:14			
Fluorobenzene	1514277	7.95	1545376	7.95	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	615596	11.06	628924	11.06	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	517560	13.45	520285	13.45	99	50 - 200	0.0000	+/-0.50	
Blank (2B27011-BLK1)			Lab File ID: 0227BL1.D			Analyzed: 02/27/12 10:34			
Fluorobenzene	1486333	7.96	1545376	7.95	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	611156	11.06	628924	11.06	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	506588	13.45	520285	13.45	97	50 - 200	0.0000	+/-0.50	
GW0463 (1202153-07RE1)			Lab File ID: 0215307D.D			Analyzed: 02/27/12 15:28			
Fluorobenzene	1457790	7.96	1545376	7.95	94	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	600259	11.07	628924	11.06	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	469260	13.46	520285	13.45	90	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06039	Instrument:	MS-VOA3
		Calibration:	2059001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B06039-CCV1)			Lab File ID: 0228CCV1.D			Analyzed: 02/28/12 09:50			
Fluorobenzene	477735	7.767	480877	7.767	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	251887	10.925	255582	10.924	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	335548	13.34	323047	13.34	104	50 - 200	0.0000	+/-0.50	
LCS (2B28001-BS1)			Lab File ID: 0228LCS1.D			Analyzed: 02/28/12 10:17			
Fluorobenzene	481689	7.767	477735	7.767	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	249361	10.925	251887	10.925	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	319442	13.34	335548	13.34	95	50 - 200	0.0000	+/-0.50	
Blank (2B28001-BLK1)			Lab File ID: 0228BLK1.D			Analyzed: 02/28/12 11:37			
Fluorobenzene	434230	7.767	477735	7.767	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	230110	10.925	251887	10.925	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	281193	13.34	335548	13.34	84	50 - 200	0.0000	+/-0.50	
GW8182-TB (1202159-12)			Lab File ID: 0215912.D			Analyzed: 02/28/12 12:57			
Fluorobenzene	426960	7.767	477735	7.767	89	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	223827	10.924	251887	10.925	89	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	272854	13.34	335548	13.34	81	50 - 200	0.0000	+/-0.50	
GW8044-AB (1202159-11)			Lab File ID: 0215911.D			Analyzed: 02/28/12 13:24			
Fluorobenzene	417774	7.767	477735	7.767	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	216920	10.925	251887	10.925	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	266880	13.34	335548	13.34	80	50 - 200	0.0000	+/-0.50	
GW0399 (1202159-01)			Lab File ID: 0215901.D			Analyzed: 02/28/12 13:50			
Fluorobenzene	413147	7.767	477735	7.767	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	217261	10.925	251887	10.925	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	262062	13.34	335548	13.34	78	50 - 200	0.0000	+/-0.50	
GW0439 (1202159-05)			Lab File ID: 0215905.D			Analyzed: 02/28/12 14:17			
Fluorobenzene	411691	7.767	477735	7.767	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	214241	10.924	251887	10.925	85	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	261208	13.34	335548	13.34	78	50 - 200	0.0000	+/-0.50	
GW0455 (1202159-07)			Lab File ID: 0215907.D			Analyzed: 02/28/12 14:44			
Fluorobenzene	402186	7.767	477735	7.767	84	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	216632	10.924	251887	10.925	86	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	263702	13.34	335548	13.34	79	50 - 200	0.0000	+/-0.50	
GW0456 (1202159-09)			Lab File ID: 0215909.D			Analyzed: 02/28/12 15:10			
Fluorobenzene	409043	7.767	477735	7.767	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	216845	10.924	251887	10.925	86	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	262281	13.34	335548	13.34	78	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06039	Instrument:	MS-VOA3
		Calibration:	2059001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0438 (1202159-03)			Lab File ID: 0215903D.D			Analyzed: 02/28/12 19:09			
Fluorobenzene	389696	7.767	477735	7.767	82	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	209518	10.924	251887	10.925	83	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	252421	13.34	335548	13.34	75	50 - 200	0.0000	+/-0.50	
Matrix Spike (2B28001-MS1)			Lab File ID: 0215905M.D			Analyzed: 02/28/12 19:36			
Fluorobenzene	413219	7.767	477735	7.767	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	225281	10.924	251887	10.925	89	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	285127	13.34	335548	13.34	85	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (2B28001-MSD1)			Lab File ID: 0215905S.D			Analyzed: 02/28/12 20:02			
Fluorobenzene	421015	7.767	477735	7.767	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	225298	10.924	251887	10.925	89	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	287614	13.34	335548	13.34	86	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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_045
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_045
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_045
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_045	
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_045
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_045		
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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	8.980168E-02	2	0.1050517	4	9.550866E-02	10	8.560175E-02	20	9.090671E-02	100	9.034247E-02
Acrolein	2.502	4.018074E-02	5.005	5.409787E-02	10.01	0.0467644	25.02	4.672301E-02	50.05	4.535477E-02	250.2	4.715727E-02
Acrylonitrile	2.498	9.542847E-02	4.997	0.1011531	9.994	9.677726E-02	24.98	9.423867E-02	49.97	9.380673E-02	249.8	9.310164E-02
Benzene	0.5	0.706795	1	0.7896309	2	0.8560981	5	0.8620398	10	0.8464316	50	0.8659795
Bromobenzene	0.5	0.4912053	1	0.5433207	2	0.6066146	5	0.6123762	10	0.5880904	50	0.6281807
Bromochloromethane	0.5	8.772152E-02	1	0.1053199	2	0.114046	5	0.116487	10	0.1144638	50	0.1172691
Tert-Amyl Methyl Ether	0.5	0.5123769	1	0.5933751	2	0.633875	5	0.646341	10	0.6287693	50	0.681088
Bromodichloromethane	0.5	0.2172998	1	0.2474529	2	0.2654632	5	0.2803425	10	0.274948	50	0.2981022
Bromoform	0.5	0.1794222	1	0.2051152	2	0.2576443	5	0.2521717	10	0.2591064	50	0.3151366
Bromomethane	0.5	0.138051	1	0.1599302	2	0.162491	5	0.1486165	10	0.1552715	50	0.1577024
Bromofluorobenzene	30	0.8646075	35	0.8231966	40	0.8096878	50	0.7780275	60	0.7731612	70	0.7780626
n-Butylbenzene	0.5	1.512081	1	1.649149	2	1.757926	5	1.839374	10	1.752984	50	1.908839
2-Butanone	1	0.1376705	2	0.1390978	4	0.1467754	10	0.1432412	20	0.1454379	100	0.1484718
sec-Butylbenzene	0.5	1.931956	1	2.100667	2	2.399478	5	2.423994	10	2.304139	50	2.498216
tert-Butylbenzene	0.5	1.50427	1	1.59432	2	1.786135	5	1.815013	10	1.752565	50	1.879981
Carbon disulfide	0.5	0.534802	1	0.5983241	2	0.666219	5	0.6513	10	0.6777005	50	0.6946827
Carbon tetrachloride	0.5	0.1812776	1	0.2085919	2	0.2269657	5	0.2307795	10	0.2327479	50	0.2480031
Chlorobenzene	0.5	1.086958	1	1.234924	2	1.376416	5	1.336312	10	1.289991	50	1.360038
Chloroethane	0.5	0.1352606	1	0.1561757	2	0.1643287	5	0.1570368	10	0.1672533	50	0.1623364
Chloroform	0.5	0.342667	1	0.3715695	2	0.3834574	5	0.3777173	10	0.3703712	50	0.3824102
2-Chloroethyl vinyl ether	0.9975	0.113805	1.995	0.1303545	3.99	0.1464539	9.975	0.1522458	19.95	0.1522373	99.75	0.1636126
Chloromethane	0.5	0.3470302	1	0.336341	2	0.3117622	5	0.3028978	10	0.3321822	50	0.3235538
1-Chlorohexane	0.5	0.7615941	1	0.7356121	2	0.6968509	5	0.6720373	10	0.6440595	50	0.675543
2-Chlorotoluene	0.5	1.392117	1	1.585356	2	1.776129	5	1.832003	10	1.727075	50	1.871711
4-Chlorotoluene	0.5	1.667268	1	1.858032	2	2.01984	5	2.086872	10	1.994993	50	2.119795
Cyclohexane	0.5	0.3227279	1	0.3916827	2	0.4288672	5	0.4207648	10	0.4200682	50	0.4295116
Dibromochloromethane	0.5	~~0.3501371~~	1	0.3981858	2	0.4498442	5	0.4494194	10	0.4546968	50	0.5251813
1,2-Dibromo-3-chloropropane	0.5	~~8.017273E-02~~	1	8.865112E-02	2	0.103994	5	0.1035093	10	0.1036988	50	0.1175873
1,2-Dibromoethane (EDB)	0.5	0.3810423	1	0.4196513	2	0.4918165	5	0.4948228	10	0.4770114	50	0.5083525
Dibromomethane	0.5	0.114865	1	0.1345266	2	0.1395016	5	0.1479921	10	0.1418703	50	0.1489849
1,2-Dichlorobenzene	0.5	0.84314	1	0.9706807	2	1.066818	5	1.054976	10	1.004035	50	1.090865

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	0.9157965	1	1.038745	2	1.128873	5	1.091637	10	1.046605	50	1.140553
1,4-Dichlorobenzene	0.5	0.9830001	1	1.035523	2	1.140519	5	1.121349	10	1.081705	50	1.1498
Dichlorodifluoromethane	0.5	0.1637232	1	0.180019	2	0.1975027	5	0.1874606	10	0.2259945	50	0.2284871
1,1-Dichloroethane	0.5	0.353981	1	0.415916	2	0.4408658	5	0.4498764	10	0.4435804	50	0.4514766
1,2-Dichloroethane	0.5	0.2489079	1	0.3153989	2	0.3534253	5	0.3429047	10	0.3337655	50	0.3411493
1,1-Dichloroethene	0.5	0.1637739	1	0.1782149	2	0.1899503	5	0.1831757	10	0.1855977	50	0.1871688
cis-1,2-Dichloroethene	0.5	0.1657526	1	0.2029114	2	0.2401381	5	0.2271145	10	0.2207705	50	0.2279642
trans-1,2-Dichloroethene	0.5	0.1721452	1	0.1976942	2	0.2165796	5	0.2123506	10	0.2143114	50	0.2142187
1,2-Dichloroethene (total)	1	0.1689489	2	0.2003028	4	0.2283588	10	0.2197326	20	0.217541	100	0.2210915
1,2-Dichloropropane	0.5	0.2019777	1	0.2385544	2	0.2591912	5	0.2623163	10	0.2545577	50	0.2646979
1,3-Dichloropropane	0.5	0.6480295	1	0.7534404	2	0.79522	5	0.8133583	10	0.7841102	50	0.8373533
2,2-Dichloropropane	0.5	0.2520535	1	0.2823401	2	0.3020756	5	0.2922196	10	0.2929398	50	0.2958497
1,1-Dichloropropene	0.5	0.2544888	1	0.2857045	2	0.3004513	5	0.3042778	10	0.3057144	50	0.3097769
cis-1,3-Dichloropropene	0.5	0.2638241	1	0.2999422	2	0.3446161	5	0.3494338	10	0.3442381	50	0.363876
trans-1,3-Dichloropropene	0.5	0.6279165	1	0.712477	2	0.7965497	5	0.8016597	10	0.7814281	50	0.8477962
Diisopropyl Ether	0.5	0.8085702	1	0.9552659	2	1.043535	5	1.05331	10	1.024726	50	1.069551
Ethylbenzene	0.5	1.795449	1	2.065641	2	2.255147	5	2.216303	10	2.178915	50	2.332393
Ethyl tert-Butyl Ether	0.5	0.6203419	1	0.7251956	2	0.7920384	5	0.7981518	10	0.7783184	50	0.8159566
Ethyl Methacrylate	0.5	0.5275971	1	0.6668031	2	0.7069393	5	0.7246648	10	0.7100698	50	0.7675183
Hexachlorobutadiene	0.5	0.251424	1	0.2483772	2	0.2653299	5	0.2592423	10	0.2472804	50	0.2549096
2-Hexanone	1	0.4012779	2	0.4453503	4	0.4886657	10	0.4725901	20	0.4573466	100	0.4958327
Iodomethane	0.5	0.1057326	1	0.1480329	2	0.1918117	5	0.2123235	10	0.2353441	50	0.2786665
Isopropylbenzene	0.5	1.48517	1	1.676101	2	1.890259	5	1.87629	10	1.817242	50	1.968255
p-Isopropyltoluene	0.5	1.654594	1	1.768751	2	1.958332	5	1.999692	10	1.89823	50	2.065316
Methylene chloride	0.5	0.2261785	1	0.2424064	2	0.2404582	5	0.2323857	10	0.2317282	50	0.2272539
Methyl Acetate	0.5	0.2791462	1	0.2501347	2	0.2242151	5	0.2425707	10	0.2028327	50	0.1949625
Methylcyclohexane	0.5	0.248705	1	0.2747337	2	0.2985898	5	0.2954095	10	0.2916934	50	0.2995956
Naphthalene	0.5	1.128018	1	1.175152	2	1.306329	5	1.341975	10	1.284161	50	1.396065
Methyl Methacrylate	0.5	0.2381013	1	0.2683706	2	0.2655818	5	0.2658229	10	0.2605474	50	0.2731152
4-Methyl-2-pentanone	1	0.25388	2	0.2652866	4	0.2803726	10	0.2858625	20	0.277021	100	0.2923723
Methyl t-Butyl Ether	0.5	0.4540819	1	0.542763	2	0.5944289	5	0.591362	10	0.577662	50	0.5918123

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	2.40076	1	2.585097	2	2.919687	5	2.976894	10	2.83044	50	3.085299
Styrene	0.5	1.149259	1	1.251918	2	1.410641	5	1.418611	10	1.403135	50	1.517422
1,1,2,2-Tetrachloroethane	0.5	0.5783047	1	0.5987101	2	0.6845845	5	0.7243539	10	0.6909445	50	0.7460706
1,1,1,2-Tetrachloroethane	0.5	~~0.3021848~~	1	0.3873337	2	0.4160235	5	0.4115095	10	0.4126531	50	0.4511966
tert-Butyl alcohol	2.5	1.552504E-02	5	2.094695E-02	10	2.101416E-02	25	1.978899E-02	50	1.956481E-02	250	1.971692E-02
Tetrachloroethene	0.5	0.4212682	1	0.39592	2	0.4552497	5	0.4480608	10	0.4298826	50	0.4619948
Toluene	0.5	1.067213	1	1.15425	2	1.212458	5	1.189287	10	1.14566	50	1.203222
1,2,3-Trichlorobenzene	0.5	0.4266545	1	0.4534792	2	0.4954828	5	0.5052602	10	0.4865766	50	0.5281153
1,2,4-Trichlorobenzene	0.5	0.4701305	1	0.5370185	2	0.5849279	5	0.6072899	10	0.5668184	50	0.6254255
1,1,2-Trichloroethane	0.5	0.3175148	1	0.3485169	2	0.3839372	5	0.4020105	10	0.3798625	50	0.4006765
1,1,1-Trichloroethane	0.5	0.2265336	1	0.2653232	2	0.2861644	5	0.284935	10	0.2846278	50	0.2961539
Tetrahydrofuran	0.5	~~0.1214606~~	1	0.113804	2	0.103482	5	0.0850226	10	0.0810585	50	8.349653E-02
Trichloroethene	0.5	0.173718	1	0.1908923	2	0.2124299	5	0.2154048	10	0.2145	50	0.2194536
Trichlorofluoromethane	0.5	0.2325711	1	0.2715887	2	0.3133391	5	0.2967307	10	0.3078031	50	0.3102271
1,2,3-Trichloropropane	0.5	0.1260739	1	0.149901	2	0.1554885	5	0.1538929	10	0.1473834	50	0.1595668
1,3,5-Trimethylbenzene	0.5	1.586948	1	1.742632	2	1.932239	5	1.987894	10	1.88728	50	2.040677
1,2,4-Trimethylbenzene	0.5	1.574863	1	1.792909	2	1.985141	5	2.037898	10	1.963304	50	2.088096
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1545908	1	0.1783855	2	0.1898673	5	0.1852797	10	0.1932921	50	0.198277
Vinyl chloride	0.5	0.21111	1	0.2322157	2	0.2424501	5	0.2135904	10	0.2469216	50	0.2256917
m,p-Xylene	1	1.365105	2	1.570204	4	1.774821	10	1.69797	20	1.675904	100	1.736796
o-Xylene	0.5	1.377615	1	1.627982	2	1.783305	5	1.752878	10	1.70391	50	1.803225
Vinyl acetate	0.996	0.5070739	1.992	0.5824546	3.984	0.6573418	9.96	0.6912803	19.92	0.687896	99.62	0.7258379
Xylenes (total)	1.5	1.369275	3	1.589464	6	1.777649	15	1.716273	30	1.685239	150	1.758939
Dibromofluoromethane	30	0.2833505	35	0.2748271	40	0.2665173	50	0.2596951	60	0.257599	70	0.2556073
1,2-Dichloroethane-d4	30	6.197161E-02	35	6.001352E-02	40	5.925142E-02	50	5.825978E-02	60	5.793149E-02	70	5.807036E-02
Toluene-d8	30	2.297259	35	2.186628	40	2.143398	50	2.069188	60	2.068469	70	2.058822
tert-Amyl alcohol	2.5	1.088782E-02	5	1.429132E-02	10	1.577129E-02	25	1.593037E-02	50	1.562238E-02	250	1.626066E-02
tert-Amyl ethyl ether	0.5	0.5054262	1	0.5792593	2	0.6457669	5	0.6569874	10	0.6391274	50	0.6750888

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	0.0946313	300	9.354575E-02	400	9.516356E-02						
Acrolein	500.5	5.043026E-02	750.8	5.035976E-02	1001	5.104969E-02						
Acrylonitrile	499.7	9.952685E-02	749.6	0.1085506	999.4	0.1012327						
Benzene	100	0.9263962	150	0.9459497	200	0.942652						
Bromobenzene	100	0.6728432	150	0.6819179	200	0.6720887						
Bromochloromethane	100	0.1245777	150	0.1225596	200	0.1205126						
Tert-Amyl Methyl Ether	100	0.7160713	150	0.7248961	200	0.7314949						
Bromodichloromethane	100	0.3182221	150	0.3198424	200	0.3197117						
Bromoform	100	0.353074	150	0.3669316	200	0.3874689						
Bromomethane	100	0.1793992	150	0.1869805	200	0.1914657						
Bromofluorobenzene	30	0.8821503	30	0.8824405	30	0.9070276						
n-Butylbenzene	100	2.03336	150	2.026146	200	2.010331						
2-Butanone	200	0.1616664	300	0.1605638	400	0.1638271						
sec-Butylbenzene	100	2.715634	150	2.737836	200	2.697067						
tert-Butylbenzene	100	2.03505	150	2.031182	200	2.005424						
Carbon disulfide	100	0.730402	150	0.7330118	200	0.735694						
Carbon tetrachloride	100	0.2668434	150	0.2730707	200	0.2740469						
Chlorobenzene	100	1.459735	150	1.488448	200	1.520538						
Chloroethane	100	0.1738022	150	0.17628	200	0.17341						
Chloroform	100	0.4012033	150	0.4027985	200	0.3997174						
2-Chloroethyl vinyl ether	199.5	0.1763927	299.2	0.1746892	399	0.1788623						
Chloromethane	100	0.3477239	150	0.3484718	200	0.343243						
1-Chlorohexane	100	0.7198243	150	0.7336885	200	0.7358013						
2-Chlorotoluene	100	1.973674	150	1.998823	200	1.983898						
4-Chlorotoluene	100	2.282729	150	2.258141	200	2.212802						
Cyclohexane	100	0.4527576	150	0.4565402	200	0.4498956						
Dibromochloromethane	100	0.5762657	150	0.5927731	200	~~0.6194397~~						
1,2-Dibromo-3-chloropropane	100	0.1332594	150	0.1329198	200	~~0.1381795~~						
1,2-Dibromoethane (EDB)	100	0.5529924	150	0.554263	200	0.5675125						
Dibromomethane	100	0.1573868	150	0.1562235	200	0.1570612						
1,2-Dichlorobenzene	100	1.165487	150	1.177251	200	1.165932						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.222481	150	1.234598	200	1.230357						
1,4-Dichlorobenzene	100	1.244663	150	1.234706	200	1.229169						
Dichlorodifluoromethane	100	0.2354433	150	0.226278	200	0.2182589						
1,1-Dichloroethane	100	0.4755273	150	0.4778375	200	0.4820279						
1,2-Dichloroethane	100	0.3621852	150	0.3567551	200	0.3533642						
1,1-Dichloroethene	100	0.1975014	150	0.2027203	200	0.2043676						
cis-1,2-Dichloroethene	100	0.2403233	150	0.2428494	200	0.2435895						
trans-1,2-Dichloroethene	100	0.223394	150	0.2278711	200	0.2299666						
1,2-Dichloroethene (total)	200	0.2318586	300	0.2353603	400	0.236778						
1,2-Dichloropropane	100	0.2798691	150	0.280882	200	0.2766742						
1,3-Dichloropropane	100	0.8888833	150	0.8961221	200	0.9094783						
2,2-Dichloropropane	100	0.314509	150	0.3155606	200	0.3124913						
1,1-Dichloropropene	100	0.3286773	150	0.3284086	200	0.3230314						
cis-1,3-Dichloropropene	100	0.391311	150	0.3934046	200	0.394301						
trans-1,3-Dichloropropene	100	0.9109566	150	0.8922166	200	0.9152292						
Diisopropyl Ether	100	1.124641	150	1.125303	200	1.122794						
Ethylbenzene	100	2.472977	150	2.524534	200	2.493014						
Ethyl tert-Butyl Ether	100	0.8708808	150	0.8708512	200	0.8723357						
Ethyl Methacrylate	100	0.822508	150	0.8270511	200	0.857056						
Hexachlorobutadiene	100	0.2866951	150	0.2952446	200	0.2990884						
2-Hexanone	200	0.5303918	300	0.530091	400	0.5567074						
Iodomethane	100	0.3083274	150	0.3154397	200	0.3158727						
Isopropylbenzene	100	2.101213	150	2.145883	200	2.178429						
p-Isopropyltoluene	100	2.214629	150	2.215985	200	2.200716						
Methylene chloride	100	0.2420982	150	0.2382248	200	0.2448659						
Methyl Acetate	100	0.2062737	150	0.2257625	200	0.2134284						
Methylcyclohexane	100	0.3202805	150	0.3243308	200	0.3233502						
Naphthalene	100	1.546922	150	1.54115	200	1.607216						
Methyl Methacrylate	100	0.2910218	150	0.2867691	200	0.2880741						
4-Methyl-2-pentanone	200	0.3126404	300	0.3065244	400	0.314896						
Methyl t-Butyl Ether	100	0.6191791	150	0.6286384	200	0.6395408						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	3.320564	150	3.349196	200	3.079082						
Styrene	100	1.624112	150	1.647361	200	1.669878						
1,1,2,2-Tetrachloroethane	100	0.8070359	150	0.8035975	200	0.815589						
1,1,1,2-Tetrachloroethane	100	0.491716	150	0.5001326	200	0.5108254						
tert-Butyl alcohol	500	2.109812E-02	750	2.088463E-02	1000	2.218561E-02						
Tetrachloroethene	100	0.4936582	150	0.5051834	200	0.5187721						
Toluene	100	1.273761	150	1.259875	200	1.280374						
1,2,3-Trichlorobenzene	100	0.5858625	150	0.5906685	200	0.6050041						
1,2,4-Trichlorobenzene	100	0.6859516	150	0.6986151	200	0.7038053						
1,1,2-Trichloroethane	100	0.4279065	150	0.4353087	200	0.4435399						
1,1,1-Trichloroethane	100	0.3127868	150	0.3154631	200	0.3121903						
Tetrahydrofuran	100	8.784835E-02	150	8.787843E-02	200	8.989745E-02						
Trichloroethene	100	0.2317374	150	0.2316816	200	0.2291212						
Trichlorofluoromethane	100	0.3291205	150	0.3336233	200	0.3283225						
1,2,3-Trichloropropane	100	0.1716367	150	0.170303	200	0.1803666						
1,3,5-Trimethylbenzene	100	2.189365	150	2.193238	200	2.14527						
1,2,4-Trimethylbenzene	100	2.217657	150	2.242809	200	2.209179						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2081343	150	0.2130101	200	0.2102962						
Vinyl chloride	100	0.252746	150	0.2444461	200	0.2319918						
m,p-Xylene	200	1.86413	300	1.825307	400	1.640482						
o-Xylene	100	1.920724	150	1.931022	200	1.959134						
Vinyl acetate	199.2	0.7772061	298.9	0.7828678	398.5	0.7724386						
Xylenes (total)	300	1.882995	450	1.860545	600	1.7467						
Dibromofluoromethane	30	0.2798677	30	0.2759937	30	0.278771						
1,2-Dichloroethane-d4	30	6.188589E-02	30	6.236909E-02	30	6.321877E-02						
Toluene-d8	30	2.298597	30	2.300686	30	2.338596						
tert-Amyl alcohol	500	0.0176231	750	1.760812E-02	1000	1.834958E-02						
tert-Amyl ethyl ether	100	0.7164654	150	0.7193167	200	0.7159802						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	9.339484E-02	5.793049	3.82	0.131294			15	
Acrolein	4.801308E-02	8.394719	3.698889	0.1626454			15	
Acrylonitrile	9.820178E-02	5.059694	4.668889	0.1292331			15	
Benzene	0.8602192	8.937753	7.705555	6.752358E-02			15	
Bromobenzene	0.6107375	10.4133	12.43	2.044984E-02			15	
Bromochloromethane	0.1136619	9.883254	6.806667	7.229425E-02			15	
Tert-Amyl Methyl Ether	0.652032	10.90094	7.901111	3.854095E-02			15	
Bromodichloromethane	0.2823761	12.60167	8.687778	4.869746E-02			15	
Bromoform	0.2862301	25.54403	11.83778	4.071958E-02	0.9973971		SPCC (0.1)	
Bromomethane	0.1644342	10.88437	2.843333	0.1756751			15	
Bromofluorobenzene	0.8331513	6.236652	12.26667	4.337159E-02			15	
n-Butylbenzene	1.832243	9.905399	13.85778	3.416861E-02			15	
2-Butanone	0.1496391	6.631671	6.274445	8.581522E-02			15	
sec-Butylbenzene	2.423221	11.53672	13.31889	2.730505E-02			15	
tert-Butylbenzene	1.82266	10.35727	13.08556	3.675632E-02			15	
Carbon disulfide	0.6691262	10.07756	4.822222	8.993415E-02			15	
Carbon tetrachloride	0.2380363	13.07147	7.674444	6.829574E-02			15	
Chlorobenzene	1.350373	10.04894	11.11444	4.594147E-02			SPCC (0.3)	
Chloroethane	0.162876	7.745376	2.981111	0.1095155			15	
Chloroform	0.3813235	5.012638	6.781111	4.913616E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1542948	14.26782	9.042222	4.488358E-02			15	
Chloromethane	0.3325784	5.002734	2.246667	0.3146748			SPCC (0.1)	
1-Chlorohexane	0.7083346	5.414139	11.08111	2.657187E-02			15	
2-Chlorotoluene	1.793421	11.28382	12.64889	2.747075E-02			15	
4-Chlorotoluene	2.055608	9.68695	12.71111	2.126023E-02			15	
Cyclohexane	0.4192018	9.8824	7.606667	6.533683E-02			15	
Dibromochloromethane	0.492338	14.86542	10.34857	3.299417E-02			15	
1,2-Dibromo-3-chloropropane	0.1119457	14.9078	14.46	1.202713E-02			15	
1,2-Dibromoethane (EDB)	0.4941627	12.65833	10.56222	4.307596E-02			15	
Dibromomethane	0.144268	9.500001	8.622222	4.935783E-02			15	
1,2-Dichlorobenzene	1.059909	10.29533	13.81667	3.253777E-02			15	
1,3-Dichlorobenzene	1.116627	9.535926	13.40667	0.0342857			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2058001	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	2/24/12 8:41 2/24/12 12:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.135604	8.065187	13.49889	2.376757E-02			15	
Dichlorodifluoromethane	0.2070186	12.31862	2.024444	0.2600535			15	
1,1-Dichloroethane	0.4434543	8.940448	5.822222	7.612192E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3342062	10.46255	7.536667	6.836526E-02			15	
1,1-Dichloroethene	0.1880523	6.755302	4.294445	0.1237969			CCC (20)	
cis-1,2-Dichloroethene	0.2234904	11.3383	6.532222	0.1021609			15	
trans-1,2-Dichloroethene	0.212059	8.384261	5.447778	0.1221895			15	
1,2-Dichloroethene (total)	0.2177747	9.855044	6.532222	0.1021609			15	
1,2-Dichloropropane	0.2576356	9.647927	8.512223	0.053224			CCC (20)	
1,3-Dichloropropane	0.8139995	10.1373	10.09	1.624954E-02			15	
2,2-Dichloropropane	0.2955599	6.739161	6.634444	8.045025E-02			15	
1,1-Dichloropropene	0.3045034	7.701496	7.555556	6.920257E-02			15	
cis-1,3-Dichloropropene	0.3494385	12.69261	9.258889	3.621423E-02			15	
trans-1,3-Dichloropropene	0.8095811	11.81415	9.726666	5.173093E-02			15	
Diisopropyl Ether	1.036411	9.840683	6.198889	5.622643E-02			15	
Ethylbenzene	2.259375	10.34399	11.26	4.435447E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.7937856	10.31113	6.661111	5.062233E-02			15	
Ethyl Methacrylate	0.7344675	13.72263	9.914444	5.506933E-02			15	
Hexachlorobutadiene	0.2675102	7.706902	15.82	1.600786E-02			15	
2-Hexanone	0.4864726	9.977415	10.02778	3.929936E-02			15	
Iodomethane	0.2346168	32.65097	4.486667	0.1101119	0.9994158		0.995	
Isopropylbenzene	1.904316	11.92676	12.15556	4.788381E-02			15	
p-Isopropyltoluene	1.997361	10.04571	13.45444	3.957716E-02			15	
Methylene chloride	0.2361778	2.939761	4.782222	0.0921185			15	
Methyl Acetate	0.2265918	11.80991	4.655556	0.1143095			15	
Methylcyclohexane	0.2974098	8.278792	8.836667	5.200223E-02			15	
Naphthalene	1.369665	12.27881	15.69222	2.714555E-02			15	
Methyl Methacrylate	0.2708227	6.123109	8.643333	5.733648E-02			15	
4-Methyl-2-pentanone	0.2876506	7.328492	9.183333	5.621243E-02			15	
Methyl t-Butyl Ether	0.5821632	9.626951	5.453333	9.060834E-02			15	
n-Propylbenzene	2.949669	10.60219	12.56444	4.658929E-02			15	
Styrene	1.454704	12.30595	11.73333	4.534305E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_045	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2058001		Instrument:	MS-VOA6	
Matrix:	Water		Calibration Dates:	2/24/12 8:41	2/24/12 12:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.7165768	12.20401	12.08333	3.790746E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4476738	10.6357	11.15375	4.702563E-02			15	
tert-Butyl alcohol	2.008058E-02	9.476842	4.462222	0.148447			15	
Tetrachloroethene	0.4588878	8.885344	10.46	1.632681E-02			15	
Toluene	1.198456	5.782657	9.731111	3.128585E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.5196782	12.11226	15.97778	0.0255261			15	
1,2,4-Trichlorobenzene	0.608887	12.98876	15.54111	0.0138748			15	
1,1,2-Trichloroethane	0.3932526	10.49764	9.88	7.663948E-03			15	
1,1,1-Trichloroethane	0.2871309	9.796605	7.338889	8.185516E-02			15	
Tetrahydrofuran	9.156098E-02	12.28083	6.995	7.578562E-02			15	
Trichloroethene	0.2132154	9.144779	8.463333	6.068953E-02			15	
Trichlorofluoromethane	0.3025918	10.72668	3.491111	9.707588E-02			15	
1,2,3-Trichloropropane	0.1571792	10.19619	12.20667	0.0445016			15	
1,3,5-Trimethylbenzene	1.967283	10.48871	12.74333	3.454348E-02			15	
1,2,4-Trimethylbenzene	2.012428	10.87389	13.11556	3.930613E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1923481	9.570402	4.374444	0.120048			15	
Vinyl chloride	0.2334626	6.267912	2.394445	0.2196689			CCC (20)	
m,p-Xylene	1.683413	8.91654	11.37111	3.501964E-02			15	
o-Xylene	1.762199	10.30762	11.76222	3.972909E-02			15	
Vinyl acetate	0.6871552	13.64564	5.903333	8.410343E-02			15	
Xylenes (total)	1.709675	9.065664	11.76222	3.972909E-02			15	
Dibromofluoromethane	0.2702476	3.903917	6.954444	7.640697E-02			15	
1,2-Dichloroethane-d4	6.033022E-02	3.418449	7.446667	6.796046E-02			15	
Toluene-d8	2.195738	5.244597	9.652222	4.296219E-02			15	
tert-Amyl alcohol	1.581607E-02	14.09515	7.161111	4.757891E-02			15	
tert-Amyl ethyl ether	0.6503798	10.9122	8.777778	4.971972E-02			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

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	~~0.11732~~	2	0.100531	4	9.333665E-02	10	7.855129E-02	20	8.998774E-02	100	8.115086E-02
Acrolein	2.502	4.833854E-02	5.005	4.350545E-02	10.01	4.969175E-02	25.02	4.740829E-02	50.05	4.739796E-02	250.2	4.115552E-02
Acrylonitrile	2.498	8.868346E-02	4.997	7.933794E-02	9.994	8.534531E-02	24.98	8.906459E-02	49.97	9.974226E-02	249.8	9.611892E-02
Benzene	0.5	1.242762	1	1.151118	2	1.138431	5	1.143907	10	1.254998	50	1.24743
Bromobenzene	0.5	0.6319947	1	0.5618874	2	0.5862071	5	0.5800703	10	0.6367903	50	0.6417213
Bromochloromethane	0.5	0.1594129	1	0.1601555	2	0.1591027	5	0.1646382	10	0.1771372	50	0.1775815
Tert-Amyl Methyl Ether	0.5	0.7836266	1	0.7511294	2	0.7479036	5	0.7363762	10	0.8458175	50	0.828143
Bromodichloromethane	0.5	0.3590085	1	0.337728	2	0.3404972	5	0.3445634	10	0.3952292	50	0.4071167
Bromoform	0.5	0.2679742	1	0.2398003	2	0.2321095	5	0.2545114	10	0.2961589	50	0.3642234
Bromomethane	0.5	0.2773258	1	0.2389654	2	0.2626606	5	0.2235618	10	0.2469008	50	0.2419447
Bromofluorobenzene	30	0.9734622	35	0.9272415	40	0.940231	50	0.9389567	60	0.9051991	70	0.9055424
n-Butylbenzene	0.5	1.243603	1	1.12441	2	1.101209	5	1.123682	10	1.289936	50	1.436173
2-Butanone	1	~~0.1444597~~	2	0.1132433	4	8.646081E-02	10	8.689576E-02	20	0.1112213	100	0.1156787
sec-Butylbenzene	0.5	1.701459	1	1.621513	2	1.554458	5	1.626177	10	1.849047	50	2.023256
tert-Butylbenzene	0.5	1.381639	1	1.330301	2	1.338082	5	1.349556	10	1.509214	50	1.676686
Carbon disulfide	0.5	0.8398822	1	0.8143909	2	0.7752389	5	0.7869688	10	0.8783241	50	0.8710224
Carbon tetrachloride	0.5	0.3304195	1	0.3328566	2	0.3049916	5	0.3188829	10	0.3561133	50	0.377517
Chlorobenzene	0.5	1.815058	1	1.685035	2	1.671517	5	1.684264	10	1.800731	50	1.804652
Chloroethane	0.5	0.2446527	1	0.2364296	2	0.2447061	5	0.2324185	10	0.2472406	50	0.222796
Chloroform	0.5	0.5640056	1	0.5266448	2	0.513049	5	0.506856	10	0.5479748	50	0.5371602
2-Chloroethyl vinyl ether	0.9975	0.1497086	1.995	0.1445347	3.99	0.1404738	9.975	0.1535974	19.95	0.1809542	99.75	0.1870741
Chloromethane	0.5	0.418953	1	0.3923143	2	0.3727078	5	0.3604031	10	0.3918513	50	0.3543318
1-Chlorohexane	0.5	0.9794562	1	0.8369855	2	0.7319514	5	0.7095967	10	0.7567128	50	0.7992412
2-Chlorotoluene	0.5	1.457453	1	1.388734	2	1.375835	5	1.359083	10	1.495134	50	1.532244
4-Chlorotoluene	0.5	1.628618	1	1.554611	2	1.509802	5	1.548686	10	1.739725	50	1.777312
Cyclohexane	0.5	0.3835133	1	0.3862418	2	0.3939573	5	0.376418	10	0.421966	50	0.4312045
Dibromochloromethane	0.5	0.4515573	1	0.4528418	2	0.4578318	5	0.45092	10	0.5078943	50	0.5887696
1,2-Dibromo-3-chloropropane	0.5	~~5.712587E-02~~	1	7.960424E-02	2	7.853264E-02	5	8.118978E-02	10	9.702321E-02	50	0.104869
1,2-Dibromoethane (EDB)	0.5	0.5647713	1	0.5228265	2	0.5153159	5	0.5257107	10	0.5713479	50	0.5672932
Dibromomethane	0.5	0.1844447	1	0.182644	2	0.1863035	5	0.1805048	10	0.2002163	50	0.1884156
1,2-Dichlorobenzene	0.5	1.028903	1	0.9919831	2	0.976534	5	0.9967372	10	1.082695	50	1.118434

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

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	1.12744	1	1.043324	2	1.019119	5	1.038168	10	1.159931	50	1.165214
1,4-Dichlorobenzene	0.5	1.255707	1	1.143993	2	1.141086	5	1.126357	10	1.212086	50	1.204558
Dichlorodifluoromethane	0.5	0.2559829	1	0.2358957	2	0.2346865	5	0.232796	10	0.29138	50	0.2716808
1,1-Dichloroethane	0.5	0.5298833	1	0.5174358	2	0.4753579	5	0.4854084	10	0.5517458	50	0.5261312
1,2-Dichloroethane	0.5	0.3961609	1	0.3911799	2	0.3694464	5	0.3643259	10	0.4151835	50	0.4027763
1,1-Dichloroethene	0.5	0.2822004	1	0.2591183	2	0.2443699	5	0.2365436	10	0.2597262	50	0.263452
cis-1,2-Dichloroethene	0.5	0.3193529	1	0.2958206	2	0.3063702	5	0.309123	10	0.3390039	50	0.3372597
trans-1,2-Dichloroethene	0.5	0.2956385	1	0.2814733	2	0.2887519	5	0.2767022	10	0.313493	50	0.3168837
1,2-Dichloroethene (total)	1	0.3074957	2	0.288647	4	0.297561	10	0.2929126	20	0.3262485	100	0.3270717
1,2-Dichloropropane	0.5	0.2771941	1	0.2770691	2	0.2768158	5	0.2753541	10	0.3031594	50	0.3030261
1,3-Dichloropropane	0.5	0.9740032	1	0.88034	2	0.8654885	5	0.8875397	10	0.9449108	50	0.9120785
2,2-Dichloropropane	0.5	0.4121022	1	0.4030581	2	0.385249	5	0.3812171	10	0.4088341	50	0.4131195
1,1-Dichloropropene	0.5	0.383118	1	0.4013231	2	0.3594604	5	0.3526113	10	0.4050498	50	0.4096986
cis-1,3-Dichloropropene	0.5	0.3881244	1	0.3874429	2	0.3811807	5	0.392689	10	0.4487961	50	0.4708864
trans-1,3-Dichloropropene	0.5	0.7379678	1	0.7317512	2	0.7172676	5	0.743291	10	0.826427	50	0.8942373
Diisopropyl Ether	0.5	0.9496268	1	0.9178914	2	0.8817893	5	0.8575935	10	0.9693078	50	0.9656698
Ethylbenzene	0.5	2.600025	1	2.407009	2	2.39109	5	2.491574	10	2.646307	50	2.843612
Ethyl tert-Butyl Ether	0.5	0.7369884	1	0.7485936	2	0.7549644	5	0.7607086	10	0.8580766	50	0.8806721
Ethyl Methacrylate	0.5	0.5403628	1	0.4667359	2	0.5106408	5	0.5509151	10	0.6283258	50	0.680852
Hexachlorobutadiene	0.5	0.3170592	1	0.2876126	2	0.2612976	5	0.2571288	10	0.2736175	50	0.2831878
2-Hexanone	1	0.2877088	2	0.26077	4	0.2704981	10	0.277978	20	0.3249071	100	0.3170465
Iodomethane	0.5	0.3009084	1	0.3243149	2	0.3399592	5	0.3578013	10	0.4100867	50	0.4299331
Isopropylbenzene	0.5	1.983321	1	1.905281	2	2.020307	5	2.097537	10	2.335249	50	2.537108
p-Isopropyltoluene	0.5	1.440464	1	1.431288	2	1.437907	5	1.480073	10	1.660798	50	1.819169
Methylene chloride	0.5	0.5645326	1	0.4687886	2	0.3967144	5	0.3359089	10	0.3444938	50	0.3220657
Methyl Acetate	0.5	~~0.2852306~~	1	0.2124063	2	0.1743674	5	0.1769999	10	0.1935538	50	0.17015
Methylcyclohexane	0.5	0.3898371	1	0.3526758	2	0.3607717	5	0.3458306	10	0.375035	50	0.3883472
Naphthalene	0.5	1.148039	1	1.104932	2	1.172627	5	1.23126	10	1.394326	50	1.524693
Methyl Methacrylate	0.5	0.2330591	1	0.1989265	2	0.1976679	5	0.1970185	10	0.2223293	50	0.2184167
4-Methyl-2-pentanone	1	0.2136265	2	0.2105712	4	0.2070487	10	0.2120831	20	0.2390157	100	0.2307937
Methyl t-Butyl Ether	0.5	0.7518757	1	0.7046843	2	0.6817677	5	0.68271	10	0.7351325	50	0.7212419

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

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	2.108348	1	2.025462	2	1.940537	5	2.040066	10	2.273785	50	2.417346
Styrene	0.5	1.423743	1	1.327907	2	1.401941	5	1.512052	10	1.764774	50	1.983542
1,1,2,2-Tetrachloroethane	0.5	0.4820659	1	0.4692627	2	0.4570186	5	0.4471706	10	0.5114552	50	0.471186
1,1,1,2-Tetrachloroethane	0.5	~~0.4375354~~	1	0.4475673	2	0.4600047	5	0.5154167	10	0.5528822	50	0.6067769
tert-Butyl alcohol	2.5		5	~~1.311941E-02~~	10	0.0153992	25	1.837132E-02	50	2.111362E-02	250	1.927106E-02
Tetrachloroethene	0.5	0.7454981	1	0.7107816	2	0.6674876	5	0.6821106	10	0.7014423	50	0.7232246
Toluene	0.5	1.500344	1	1.492834	2	1.433548	5	1.472839	10	1.536343	50	1.591537
1,2,3-Trichlorobenzene	0.5	0.5506594	1	0.5269546	2	0.5266307	5	0.5566911	10	0.6003462	50	0.6340409
1,2,4-Trichlorobenzene	0.5	0.6604515	1	0.6144981	2	0.5939064	5	0.6016526	10	0.6475897	50	0.6838267
1,1,2-Trichloroethane	0.5	0.4167622	1	0.4388192	2	0.4096979	5	0.420542	10	0.4472611	50	0.4358659
1,1,1-Trichloroethane	0.5	0.4456975	1	0.4138686	2	0.3897545	5	0.4002516	10	0.4511946	50	0.4497519
Tetrahydrofuran	0.5	~~0.1110621~~	1	5.885716E-02	2	8.755354E-02	5	7.439927E-02	10	7.502032E-02	50	0.0639165
Trichloroethene	0.5	0.3076274	1	0.3111688	2	0.2986369	5	0.3012099	10	0.3259253	50	0.326784
Trichlorofluoromethane	0.5	0.462561	1	0.4422962	2	0.4281852	5	0.4401946	10	0.4931687	50	0.4696513
1,2,3-Trichloropropane	0.5	0.1963067	1	0.1938729	2	0.2067585	5	0.2148476	10	0.2318959	50	0.2225724
1,3,5-Trimethylbenzene	0.5	1.390134	1	1.365234	2	1.301921	5	1.441526	10	1.650955	50	1.763584
1,2,4-Trimethylbenzene	0.5	1.419652	1	1.369256	2	1.463235	5	1.528942	10	1.690992	50	1.834798
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2986687	1	0.2853438	2	0.2574827	5	0.2568453	10	0.2834516	50	0.2762914
Vinyl chloride	0.5	0.3966879	1	0.3644873	2	0.3302759	5	0.2935529	10	0.3620164	50	0.3104354
m,p-Xylene	1	1.924507	2	1.799532	4	1.83485	10	1.943299	20	2.080638	100	2.308602
o-Xylene	0.5	1.876599	1	1.822045	2	1.844299	5	2.020676	10	2.246563	50	2.369731
Vinyl acetate	0.996	0.4949082	1.992	0.4746912	3.984	0.4743469	9.96	0.4831418	19.92	0.5534432	99.62	0.5645844
Xylenes (total)	1.5	1.908537	3	1.807036	6	1.838	15	1.969091	30	2.135946	150	2.328978
Dibromofluoromethane	30	0.2655082	35	0.2720699	40	0.2771941	50	0.2760983	60	0.2844654	70	0.2859403
1,2-Dichloroethane-d4	30	6.834116E-02	35	7.092411E-02	40	7.196605E-02	50	7.352978E-02	60	7.540231E-02	70	7.671138E-02
Toluene-d8	30	2.083192	35	2.074953	40	2.141603	50	2.186275	60	2.072155	70	2.140478
tert-Amyl alcohol	2.5		5	1.191824E-02	10	0.0117814	25	1.310042E-02	50	1.552907E-02	250	1.408153E-02
tert-Amyl ethyl ether	0.5	0.6145962	1	0.6199354	2	0.6091763	5	0.6244875	10	0.7129662	50	0.7075141

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

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	0.0810516	400	7.709977E-02								
Acrolein	500.5	4.338315E-02	1001	0.0449303								
Acrylonitrile	499.7	9.642241E-02	999.4	0.1014153								
Benzene	100	1.256377	200	1.319798								
Bromobenzene	100	0.6540869	200	0.6706949								
Bromochloromethane	100	0.1789356	200	0.1779332								
Tert-Amyl Methyl Ether	100	0.8541943	200	0.9156725								
Bromodichloromethane	100	0.4254364	200	0.4405012								
Bromoform	100	0.4072341	200	0.4636661								
Bromomethane	100	0.2438657	200	0.248895								
Bromofluorobenzene	30	0.9538426	30	0.941404								
n-Butylbenzene	100	1.418342	200	1.521619								
2-Butanone	200	0.1173865	400	0.120444								
sec-Butylbenzene	100	2.041418	200	2.179319								
tert-Butylbenzene	100	1.711396	200	1.769673								
Carbon disulfide	100	0.8589126	200	0.8931639								
Carbon tetrachloride	100	0.3936364	200	0.437867								
Chlorobenzene	100	1.79218	200	1.867529								
Chloroethane	100	0.2183024	200	0.2183702								
Chloroform	100	0.5375797	200	0.5434793								
2-Chloroethyl vinyl ether	199.5	0.1920267	399	0.2053507								
Chloromethane	100	0.3491527	200	0.3514783								
1-Chlorohexane	100	0.784932	200	0.8480011								
2-Chlorotoluene	100	1.542635	200	1.601196								
4-Chlorotoluene	100	1.797051	200	1.852422								
Cyclohexane	100	0.4301547	200	0.4647746								
Dibromochloromethane	100	0.6235768	200	~~0.6641906~~								
1,2-Dibromo-3-chloropropane	100	0.1143465	200	0.1256778								
1,2-Dibromoethane (EDB)	100	0.5685647	200	0.5851186								
Dibromomethane	100	0.193197	200	0.1971588								
1,2-Dichlorobenzene	100	1.136819	200	1.181053								

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

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	1.207605	200	1.215982								
1,4-Dichlorobenzene	100	1.215107	200	1.268258								
Dichlorodifluoromethane	100	0.2700329	200	0.2651531								
1,1-Dichloroethane	100	0.515714	200	0.5206445								
1,2-Dichloroethane	100	0.3971469	200	0.4008766								
1,1-Dichloroethene	100	0.258635	200	0.2734884								
cis-1,2-Dichloroethene	100	0.334545	200	0.3412576								
trans-1,2-Dichloroethene	100	0.3180214	200	0.3291136								
1,2-Dichloroethene (total)	200	0.3262832	400	0.3351856								
1,2-Dichloropropane	100	0.2992015	200	0.3130103								
1,3-Dichloropropane	100	0.9003827	200	0.918762								
2,2-Dichloropropane	100	0.4100221	200	0.4272149								
1,1-Dichloropropene	100	0.4083876	200	0.4414021								
cis-1,3-Dichloropropene	100	0.4796917	200	0.5099605								
trans-1,3-Dichloropropene	100	0.9217879	200	0.9570289								
Diisopropyl Ether	100	0.9684905	200	0.9846911								
Ethylbenzene	100	2.851825	200	3.022875								
Ethyl tert-Butyl Ether	100	0.8769321	200	0.921995								
Ethyl Methacrylate	100	0.696042	200	0.7347781								
Hexachlorobutadiene	100	0.2782156	200	0.2931717								
2-Hexanone	200	0.3206705	400	0.3290626								
Iodomethane	100	0.4392138	200	0.433479								
Isopropylbenzene	100	2.553351	200	2.689515								
p-Isopropyltoluene	100	1.853938	200	1.948648								
Methylene chloride	100	0.3092618	200	0.3153626								
Methyl Acetate	100	0.1667684	200	0.179461								
Methylcyclohexane	100	0.3911809	200	0.4169509								
Naphthalene	100	1.645224	200	1.759144								
Methyl Methacrylate	100	0.2254961	200	0.2325312								
4-Methyl-2-pentanone	200	0.2377905	400	0.2474844								
Methyl t-Butyl Ether	100	0.7438054	200	0.7840089								

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

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	2.501017	200	2.565127								
Styrene	100	2.044369	200	2.145004								
1,1,2,2-Tetrachloroethane	100	0.4766074	200	0.507124								
1,1,1,2-Tetrachloroethane	100	0.6161807	200	0.6528765								
tert-Butyl alcohol	500	1.939057E-02	1000	2.190752E-02								
Tetrachloroethene	100	0.7070967	200	0.7267899								
Toluene	100	1.59301	200	1.635824								
1,2,3-Trichlorobenzene	100	0.6487573	200	0.684074								
1,2,4-Trichlorobenzene	100	0.7013332	200	0.7281802								
1,1,2-Trichloroethane	100	0.4285454	200	0.4416724								
1,1,1-Trichloroethane	100	0.4492043	200	0.4787819								
Tetrahydrofuran	100	6.528447E-02	200	6.735177E-02								
Trichloroethene	100	0.3245695	200	0.3460311								
Trichlorofluoromethane	100	0.451565	200	0.463478								
1,2,3-Trichloropropane	100	0.2225427	200	0.2242501								
1,3,5-Trimethylbenzene	100	1.800401	200	1.847953								
1,2,4-Trimethylbenzene	100	1.881325	200	1.975437								
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2697534	200	0.2843883								
Vinyl chloride	100	0.3193546	200	0.2514598								
m,p-Xylene	200	2.293714	400	2.410349								
o-Xylene	100	2.3212	200	2.403943								
Vinyl acetate	199.2	0.5694619	398.5	0.574961								
Xylenes (total)	300	2.302876	600	2.408214								
Dibromofluoromethane	30	0.2646519	30	0.2640848								
1,2-Dichloroethane-d4	30	6.848737E-02	30	6.885293E-02								
Toluene-d8	30	1.961511	30	1.956822								
tert-Amyl alcohol	500	1.513934E-02	1000	1.733972E-02								
tert-Amyl ethyl ether	100	0.7318747	200	0.7733811								

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_045	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2059001		Instrument:	MS-VOA3	
Matrix:	Water		Calibration Dates:	2/24/12 14:19	2/24/12 17:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	8.595842E-02	10.22565	3.476286	0.1637739			15	
Acrolein	4.572637E-02	6.40907	3.3645	0.1266194			15	
Acrylonitrile	9.201628E-02	8.310518	4.34575	0.1025967			15	
Benzene	1.219353	5.454379	7.49775	3.798427E-02			15	
Bromobenzene	0.6204316	6.313749	12.28925	0.0321938			15	
Bromochloromethane	0.1693621	5.486727	6.5705	3.717148E-02			15	
Tert-Amyl Methyl Ether	0.8078579	7.847344	7.6895	3.484392E-02			15	
Bromodichloromethane	0.3812601	10.73379	8.497	9.204136E-03			15	
Bromoform	0.3157097	27.24199	11.69025	1.457728E-02	0.9953715		SPCC (0.1)	
Bromomethane	0.248015	6.482735	2.541	0.1258455			15	
Bromofluorobenzene	0.9357349	2.466925	12.1275	2.998762E-02			15	
n-Butylbenzene	1.282372	12.63932	13.735	2.089858E-02			15	
2-Butanone	0.1073329	13.42613	6.022714	0.1364698			15	
sec-Butylbenzene	1.824581	12.79742	13.188	1.424509E-02			15	
tert-Butylbenzene	1.508318	12.27157	12.95	1.717727E-02			15	
Carbon disulfide	0.839738	5.186247	4.52425	4.787629E-02			15	
Carbon tetrachloride	0.3565355	12.43033	7.46525	3.850106E-02			15	
Chlorobenzene	1.765121	4.188263	10.96025	2.175398E-02			SPCC (0.3)	
Chloroethane	0.2331145	5.182763	2.67575	0.0801707			15	
Chloroform	0.5345937	3.489037	6.54625	4.636409E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.169215	14.71913	8.86125	1.389095E-02			15	
Chloromethane	0.373899	6.684583	1.951	1.826236E-02			SPCC (0.1)	
1-Chlorohexane	0.8058596	10.54062	10.92463	3.221976E-03			15	
2-Chlorotoluene	1.469039	6.029419	12.512	2.043329E-02			15	
4-Chlorotoluene	1.676028	7.841658	12.573	2.009101E-02			15	
Cyclohexane	0.4110288	7.494204	7.396	1.680873E-02			15	
Dibromochloromethane	0.5047702	14.42531	10.182	1.082845E-02			15	
1,2-Dibromo-3-chloropropane	9.732045E-02	19.12307	14.34243	2.053265E-02	0.9973987		0.995	
1,2-Dibromoethane (EDB)	0.5526186	4.849526	10.401	2.98811E-03			15	
Dibromomethane	0.1891106	3.743474	8.43075	1.815586E-02			15	
1,2-Dichlorobenzene	1.064145	7.183909	13.69263	6.785325E-03			15	
1,3-Dichlorobenzene	1.122098	7.009025	13.27825	1.340749E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.195894	4.475609	13.37	1.448251E-03			15	
Dichlorodifluoromethane	0.257201	8.265585	1.744	1.624007E-03			15	
1,1-Dichloroethane	0.5152901	4.742555	5.55825	0.0372228			SPCC (0.1)	
1,2-Dichloroethane	0.3921371	4.365382	7.323	1.317838E-02			15	
1,1-Dichloroethene	0.2596917	5.605183	3.96275	8.027388E-02			CCC (20)	
cis-1,2-Dichloroethene	0.3228416	5.424774	6.289	6.142179E-03			15	
trans-1,2-Dichloroethene	0.3025097	6.396136	5.170125	4.853604E-02			15	
1,2-Dichloroethene (total)	0.3126757	5.805505	6.289	6.142179E-03			15	
1,2-Dichloropropane	0.2906038	5.320771	8.31875	4.181892E-02			CCC (20)	
1,3-Dichloropropane	0.9104382	3.906056	9.92625	8.965478E-03			15	
2,2-Dichloropropane	0.4051021	3.742789	6.39725	3.802475E-02			15	
1,1-Dichloropropene	0.3951314	7.341405	7.34175	0.0281235			15	
cis-1,3-Dichloropropene	0.4323465	11.78864	9.075	5.271802E-03			15	
trans-1,3-Dichloropropene	0.8162198	11.85408	9.55525	2.266472E-02			15	
Diisopropyl Ether	0.9368825	4.942591	5.9405	4.399341E-02			15	
Ethylbenzene	2.65679	8.660272	11.107	0.0104048			CCC (20)	
Ethyl tert-Butyl Ether	0.8173663	9.067933	6.41775	3.488794E-02			15	
Ethyl Methacrylate	0.6010816	16.20684	9.74475	0.0121695	0.9993068		0.995	
Hexachlorobutadiene	0.2814113	6.736766	15.71275	1.792952E-02			15	
2-Hexanone	0.2985802	9.138964	9.8615	3.329451E-02			15	
Iodomethane	0.379462	14.50784	4.16525	4.844281E-02			15	
Isopropylbenzene	2.265209	13.33803	12.0135	1.924521E-02			15	
p-Isopropyltoluene	1.634036	13.14746	13.32762	9.935802E-03			15	
Methylene chloride	0.382141	23.80382	4.47	1.123978E-02	0.999862		0.995	
Methyl Acetate	0.1819581	8.747753	4.331714	0.1742733			15	
Methylcyclohexane	0.3775786	6.266149	8.649	1.913025E-02			15	
Naphthalene	1.372531	18.04479	15.58462	8.518851E-03	0.9985178		0.995	
Methyl Methacrylate	0.2156807	7.198662	8.45475	3.676958E-02			15	
4-Methyl-2-pentanone	0.2248017	6.984031	9.002	1.558664E-02			15	
Methyl t-Butyl Ether	0.7256533	4.86988	5.16375	4.290775E-02			15	
n-Propylbenzene	2.233961	10.68915	12.427	1.144044E-02			15	
Styrene	1.700416	19.1229	11.588	1.500123E-02	0.9994089		0.995	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2059001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Dates:	2/24/12 14:19 2/24/12 17:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.4777363	4.67975	11.93962	4.229955E-03			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.5502436	14.45977	11.00314	2.650459E-02			15	
tert-Butyl alcohol	1.924221E-02	11.88629	4.105	0.1314565			15	
Tetrachloroethene	0.7080539	3.52232	10.298	1.450484E-02			15	
Toluene	1.532035	4.535252	9.556	6.040071E-03			CCC (20)	
1,2,3-Trichlorobenzene	0.5910193	10.10921	15.87188	2.332297E-02			15	
1,2,4-Trichlorobenzene	0.6539298	7.453005	15.43062	0.0140506			15	
1,1,2-Trichloroethane	0.4298958	3.077568	9.71025	3.605902E-02			15	
1,1,1-Trichloroethane	0.4348131	6.961556	7.11975	4.678247E-02			15	
Tetrahydrofuran	7.034043E-02	13.51564	6.765714	9.170736E-02			15	
Trichloroethene	0.3177441	5.01782	8.26975	3.395633E-02			15	
Trichlorofluoromethane	0.4563875	4.457174	3.17475	6.501465E-02			15	
1,2,3-Trichloropropane	0.2141308	6.468497	12.06425	3.046957E-02			15	
1,3,5-Trimethylbenzene	1.570213	13.97405	12.60775	2.211513E-02			15	
1,2,4-Trimethylbenzene	1.645455	14.09443	12.981	1.496399E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2765281	5.24712	4.0455	6.910249E-02			15	
Vinyl chloride	0.3285338	13.91894	2.1045	0.1328975			CCC (20)	
m,p-Xylene	2.074436	11.3557	11.223	6.142967E-03			15	
o-Xylene	2.113132	11.76991	11.61575	2.687492E-02			15	
Vinyl acetate	0.5236923	8.717572	5.63725	3.904396E-02			15	
Xylenes (total)	2.087335	11.40718	11.61575	2.687492E-02			15	
Dibromofluoromethane	0.2737516	3.171816	6.72175	3.482109E-02			15	
1,2-Dichloroethane-d4	7.177689E-02	4.483791	7.232	1.027497E-02			15	
Toluene-d8	2.077124	3.986251	9.483	1.125693E-02			15	
tert-Amyl alcohol	0.0141271	14.37629	6.925	7.446618E-02			15	
tert-Amyl ethyl ether	0.6742414	9.541779	8.588	2.183907E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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_045
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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2058001
Lab File ID:	0224ICV2.D	Calibration Date:	02/24/12 08:41
Sequence:	2B05801	Injection Date:	02/24/12
Lab Sample ID:	2B05801-ICV2	Injection Time:	13:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	196.7	9.339484E-02	9.187352E-02		-1.6	20
Benzene	A	100.0	109.5	0.8602192	0.9419977		9.5	20
Bromobenzene	A	100.0	112.5	0.6107375	0.6868423		12.5	20
Bromochloromethane	A	100.0	110.2	0.1136619	0.1252685		10.2	20
Bromodichloromethane	A	100.0	112.0	0.2823761	0.3162156		12.0	20
Bromoform	L	100.0	96.98	0.2862301	0.3593386	0.1	-3.0	20
Bromomethane	A	100.0	110.6	0.1644342	0.1817901		10.6	20
n-Butylbenzene	A	100.0	110.0	1.832243	2.014955		10.0	20
2-Butanone	A	200.0	210.0	0.1496391	0.1571423		5.0	20
sec-Butylbenzene	A	100.0	113.4	2.423221	2.748409		13.4	20
tert-Butylbenzene	A	100.0	112.1	1.82266	2.043847		12.1	20
Carbon disulfide	A	100.0	110.6	0.6691262	0.7397765		10.6	20
Carbon tetrachloride	A	100.0	112.8	0.2380363	0.2684971		12.8	20
Chlorobenzene	A	100.0	109.8	1.350373	1.482947	0.3	9.8	20
Chloroethane	A	100.0	109.2	0.162876	0.1777737		9.1	20
Chloroform	A	100.0	105.7	0.3813235	0.402956		5.7	20
Chloromethane	A	100.0	105.6	0.3325784	0.3511824	0.1	5.6	20
2-Chlorotoluene	A	100.0	111.2	1.793421	1.99434		11.2	20
4-Chlorotoluene	A	100.0	110.2	2.055608	2.264686		10.2	20
Dibromochloromethane	A	100.0	119.7	0.492338	0.5891785		19.7	20
1,2-Dibromo-3-chloropropane	A	100.0	119.0	0.1119457	0.1332335		19.0	20
1,2-Dibromoethane (EDB)	A	100.0	112.7	0.4941627	0.5571354		12.7	20
Dibromomethane	A	100.0	109.7	0.144268	0.1582231		9.7	20
1,2-Dichlorobenzene	A	100.0	111.0	1.059909	1.176168		11.0	20
1,3-Dichlorobenzene	A	100.0	110.9	1.116627	1.23795		10.9	20
1,4-Dichlorobenzene	A	100.0	110.3	1.135604	1.252674		10.3	20
Dichlorodifluoromethane	A	100.0	108.8	0.2070186	0.2252926		8.8	20
1,1-Dichloroethane	A	100.0	109.1	0.4434543	0.4837089	0.1	9.1	20
1,2-Dichloroethane	A	100.0	105.8	0.3342062	0.3537727		5.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2058001
Lab File ID:	0224ICV2.D	Calibration Date:	02/24/12 08:41
Sequence:	2B05801	Injection Date:	02/24/12
Lab Sample ID:	2B05801-ICV2	Injection Time:	13:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	108.5	0.1880523	0.2040018		8.5	20
cis-1,2-Dichloroethene	A	100.0	109.3	0.2234904	0.2443004		9.3	20
trans-1,2-Dichloroethene	A	100.0	108.9	0.212059	0.230934		8.9	20
1,2-Dichloropropane	A	100.0	107.9	0.2576356	0.2779555		7.9	20
1,3-Dichloropropane	A	100.0	110.7	0.8139995	0.9009292		10.7	20
2,2-Dichloropropane	A	100.0	102.1	0.2955599	0.3018327		2.1	20
1,1-Dichloropropene	A	100.0	107.5	0.3045034	0.3272683		7.5	20
cis-1,3-Dichloropropene	A	100.0	111.4	0.3494385	0.3891536		11.4	20
trans-1,3-Dichloropropene	A	100.0	111.6	0.8095811	0.9030708		11.5	20
Ethylbenzene	A	100.0	111.1	2.259375	2.510809		11.1	20
Hexachlorobutadiene	A	100.0	109.0	0.2675102	0.2916392		9.0	20
2-Hexanone	A	200.0	218.7	0.4864726	0.5320534		9.4	20
Isopropylbenzene	A	100.0	111.9	1.904316	2.131284		11.9	20
p-Isopropyltoluene	A	100.0	110.7	1.997361	2.211248		10.7	20
Methylene chloride	A	100.0	103.8	0.2361778	0.2451223		3.8	20
Naphthalene	A	100.0	113.6	1.369665	1.555979		13.6	20
4-Methyl-2-pentanone	A	200.0	216.2	0.2876506	0.3109576		8.1	20
Methyl t-Butyl Ether	A	100.0	108.6	0.5821632	0.6324756		8.6	20
n-Propylbenzene	A	100.0	112.2	2.949669	3.309829		12.2	20
Styrene	A	100.0	113.4	1.454704	1.649767		13.4	20
1,1,2,2-Tetrachloroethane	A	100.0	113.8	0.7165768	0.8156844	0.3	13.8	20
1,1,1,2-Tetrachloroethane	A	100.0	111.2	0.4476738	0.4977442		11.2	20
Tetrachloroethene	A	100.0	109.2	0.4588878	0.5012255		9.2	20
Toluene	A	100.0	107.3	1.198456	1.286026		7.3	20
1,2,3-Trichlorobenzene	A	100.0	115.7	0.5196782	0.6012621		15.7	20
1,2,4-Trichlorobenzene	A	100.0	114.4	0.608887	0.6967587		14.4	20
1,1,2-Trichloroethane	A	100.0	110.2	0.3932526	0.4333915		10.2	20
1,1,1-Trichloroethane	A	100.0	109.0	0.2871309	0.3129661		9.0	20
Trichloroethene	A	100.0	108.1	0.2132154	0.2305737		8.1	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2058001
Lab File ID:	0224ICV2.D	Calibration Date:	02/24/12 08:41
Sequence:	2B05801	Injection Date:	02/24/12
Lab Sample ID:	2B05801-ICV2	Injection Time:	13:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	108.4	0.3025918	0.32785		8.3	20
1,2,3-Trichloropropane	A	100.0	109.0	0.1571792	0.1713826		9.0	20
1,3,5-Trimethylbenzene	A	100.0	111.4	1.967283	2.190824		11.4	20
1,2,4-Trimethylbenzene	A	100.0	112.2	2.012428	2.257306		12.2	20
Vinyl chloride	A	100.0	109.9	0.2334626	0.2565335		9.9	20
Xylenes (total)	A	300.0	336.0	1.709675	1.914315		12.0	20
Bromofluorobenzene	A	30.00	31.73	0.8331513	0.8812628		5.8	20
Dibromofluoromethane	A	30.00	30.86	0.2702476	0.2779893		2.9	20
1,2-Dichloroethane-d4	A	30.00	30.31	6.033022E-02	6.096247E-02		1.0	20
Toluene-d8	A	30.00	31.52	2.195738	2.307114		5.1	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2059001
Lab File ID:	SEQICV1.D	Calibration Date:	02/24/12 02:19
Sequence:	2B05901	Injection Date:	02/24/12
Lab Sample ID:	2B05901-ICV1	Injection Time:	18:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	97.59	8.595842E-02	8.388333E-02		-2.4	20
Benzene	A	50.00	49.03	1.219353	1.195813		-1.9	20
Bromobenzene	A	50.00	50.43	0.6204316	0.6257103		0.9	20
Bromochloromethane	A	50.00	49.16	0.1693621	0.1665149		-1.7	20
Bromodichloromethane	A	50.00	48.94	0.3812601	0.3731506		-2.1	20
Bromoform	L	50.00	44.09	0.3157097	0.3737971	0.1	-11.8	20
Bromomethane	A	50.00	49.27	0.248015	0.2443849		-1.5	20
n-Butylbenzene	A	50.00	54.15	1.282372	1.388859		8.3	20
2-Butanone	A	100.0	105.8	0.1073329	0.1135499		5.8	20
sec-Butylbenzene	A	50.00	53.91	1.824581	1.967399		7.8	20
tert-Butylbenzene	A	50.00	53.96	1.508318	1.627781		7.9	20
Carbon disulfide	A	50.00	41.82	0.839738	0.7024391		-16.4	20
Carbon tetrachloride	A	50.00	52.51	0.3565355	0.3744513		5.0	20
Chlorobenzene	A	50.00	49.12	1.765121	1.733884	0.3	-1.8	20
Chloroethane	A	50.00	48.29	0.2331145	0.2251234		-3.4	20
Chloroform	A	50.00	47.69	0.5345937	0.5098543		-4.6	20
Chloromethane	A	50.00	44.44	0.373899	0.3322977	0.1	-11.1	20
2-Chlorotoluene	A	50.00	50.11	1.469039	1.472403		0.2	20
4-Chlorotoluene	A	50.00	51.15	1.676028	1.714596		2.3	20
Dibromochloromethane	A	50.00	57.84	0.5047702	0.583876		15.7	20
1,2-Dibromo-3-chloropropane	L	50.00	44.91	9.732045E-02	0.1049176		-10.2	20
1,2-Dibromoethane (EDB)	A	50.00	51.94	0.5526186	0.574061		3.9	20
Dibromomethane	A	50.00	47.32	0.1891106	0.1789857		-5.4	20
1,2-Dichlorobenzene	A	50.00	50.48	1.064145	1.074309		1.0	20
1,3-Dichlorobenzene	A	50.00	50.33	1.122098	1.129601		0.7	20
1,4-Dichlorobenzene	A	50.00	49.45	1.195894	1.182752		-1.1	20
Dichlorodifluoromethane	A	50.00	45.38	0.257201	0.2334465		-9.2	20
1,1-Dichloroethane	A	50.00	47.77	0.5152901	0.4922798	0.1	-4.5	20
1,2-Dichloroethane	A	50.00	47.40	0.3921371	0.371724		-5.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2059001
Lab File ID:	SEQICV1.D	Calibration Date:	02/24/12 02:19
Sequence:	2B05901	Injection Date:	02/24/12
Lab Sample ID:	2B05901-ICV1	Injection Time:	18:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	50.00	45.75	0.2596917	0.2376256		-8.5	20
cis-1,2-Dichloroethene	A	50.00	49.77	0.3228416	0.3213618		-0.5	20
trans-1,2-Dichloroethene	A	50.00	49.86	0.3025097	0.30167		-0.3	20
1,2-Dichloropropane	A	50.00	49.06	0.2906038	0.2851133		-1.9	20
1,3-Dichloropropane	A	50.00	50.24	0.9104382	0.9147619		0.5	20
2,2-Dichloropropane	A	50.00	46.71	0.4051021	0.3784531		-6.6	20
1,1-Dichloropropene	A	50.00	49.39	0.3951314	0.3903401		-1.2	20
cis-1,3-Dichloropropene	A	50.00	54.24	0.4323465	0.4690278		8.5	20
trans-1,3-Dichloropropene	A	50.00	49.19	0.8162198	0.8030348		-1.6	20
Ethylbenzene	A	50.00	53.09	2.65679	2.821205		6.2	20
Hexachlorobutadiene	A	50.00	47.65	0.2814113	0.2682058		-4.7	20
2-Hexanone	A	100.0	106.0	0.2985802	0.3164252		6.0	20
Isopropylbenzene	A	50.00	51.87	2.265209	2.349998		3.7	20
p-Isopropyltoluene	A	50.00	51.08	1.634036	1.669483		2.2	20
Methylene chloride	L	50.00	47.90	0.382141	0.3034287		-4.2	20
Naphthalene	L	50.00	46.09	1.372531	1.542574		-7.8	20
4-Methyl-2-pentanone	A	100.0	99.03	0.2248017	0.22262		-1.0	20
Methyl t-Butyl Ether	A	50.00	49.11	0.7256533	0.7127435		-1.8	20
n-Propylbenzene	A	50.00	51.74	2.233961	2.311571		3.5	20
Styrene	L	50.00	46.47	1.700416	1.92392		-7.1	20
1,1,2,2-Tetrachloroethane	A	50.00	49.24	0.4777363	0.4704543	0.3	-1.5	20
1,1,1,2-Tetrachloroethane	A	50.00	54.46	0.5502436	0.5993681		8.9	20
Tetrachloroethene	A	50.00	50.24	0.7080539	0.7115156		0.5	20
Toluene	A	50.00	51.10	1.532035	1.565841		2.2	20
1,2,3-Trichlorobenzene	A	50.00	53.27	0.5910193	0.6297025		6.5	20
1,2,4-Trichlorobenzene	A	50.00	50.32	0.6539298	0.6581488		0.6	20
1,1,2-Trichloroethane	A	50.00	49.98	0.4298958	0.4297049		-0.04	20
1,1,1-Trichloroethane	A	50.00	50.18	0.4348131	0.4363936		0.4	20
Trichloroethene	A	50.00	49.20	0.3177441	0.3126424		-1.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2059001
Lab File ID:	SEQICV1.D	Calibration Date:	02/24/12 02:19
Sequence:	2B05901	Injection Date:	02/24/12
Lab Sample ID:	2B05901-ICV1	Injection Time:	18:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	50.00	48.76	0.4563875	0.4450538		-2.5	20
1,2,3-Trichloropropane	A	50.00	51.27	0.2141308	0.2195891		2.5	20
1,3,5-Trimethylbenzene	A	50.00	56.00	1.570213	1.758711		12.0	20
1,2,4-Trimethylbenzene	A	50.00	54.31	1.645455	1.787247		8.6	20
Vinyl chloride	A	50.00	55.01	0.3285338	0.3614397		10.0	20
Xylenes (total)	A	150.0	160.4	2.087335	2.232358		6.9	20
Bromofluorobenzene	A	30.00	31.54	0.9357349	0.9837318		5.1	20
Dibromofluoromethane	A	30.00	29.05	0.2737516	0.2650391		-3.2	20
1,2-Dichloroethane-d4	A	30.00	27.48	7.177689E-02	6.575446E-02		-8.4	20
Toluene-d8	A	30.00	29.86	2.077124	2.067741		-0.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0224CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05903	Injection Date:	02/24/12
Lab Sample ID:	2B05903-CCV1	Injection Time:	06:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	L	200.0	188.8	7.637201E-02	6.151668E-02		-5.6	20
Benzene	A	100.0	98.54	0.8265245	0.8144266		-1.5	20
Bromobenzene	A	100.0	101.8	0.6547124	0.6663841		1.8	20
Bromochloromethane	A	100.0	109.5	0.1344402	0.1472402		9.5	20
Bromodichloromethane	A	100.0	105.9	0.2947954	0.3122644		5.9	20
Bromoform	A	100.0	112.7	0.4571078	0.5152222	0.1	12.7	20
Bromomethane	A	100.0	108.0	0.1882716	0.2033923		8.0	20
n-Butylbenzene	A	100.0	93.21	1.261999	1.17636		-6.8	20
2-Butanone	A	200.0	165.9	0.123359	0.1023123		-17.1	20
sec-Butylbenzene	A	100.0	94.83	1.677247	1.590567		-5.2	20
tert-Butylbenzene	A	100.0	96.42	1.370972	1.321888		-3.6	20
Carbon disulfide	A	100.0	99.85	0.7280875	0.7270257		-0.1	20
Carbon tetrachloride	A	100.0	111.5	0.2413759	0.269067		11.5	20
Chlorobenzene	A	100.0	105.1	1.462044	1.537233	0.3	5.1	20
Chloroethane	A	100.0	109.3	0.1618473	0.1768354		9.3	20
Chloroform	A	100.0	94.37	0.4026666	0.3799897		-5.6	20
Chloromethane	A	100.0	101.9	0.2830523	0.2884482	0.1	1.9	20
2-Chlorotoluene	A	100.0	97.33	1.430396	1.392214		-2.7	20
4-Chlorotoluene	A	100.0	96.14	1.654685	1.590777		-3.9	20
Dibromochloromethane	A	100.0	108.2	0.6534156	0.7066786		8.2	20
1,2-Dibromo-3-chloropropane	A	100.0	94.46	0.1325364	0.1251963		-5.5	20
1,2-Dibromoethane (EDB)	A	100.0	104.2	0.5969753	0.622192		4.2	20
Dibromomethane	A	100.0	104.5	0.1648794	0.1722395		4.5	20
1,2-Dichlorobenzene	A	100.0	98.85	1.037515	1.025552		-1.2	20
1,3-Dichlorobenzene	A	100.0	96.50	1.076644	1.038942		-3.5	20
1,4-Dichlorobenzene	A	100.0	96.57	1.078006	1.040991		-3.4	20
Dichlorodifluoromethane	A	100.0	129.4	0.2235251	0.289147		29.4	20 *
1,1-Dichloroethane	A	100.0	104.0	0.4118324	0.4285222	0.1	4.1	20
1,2-Dichloroethane	A	100.0	100.3	0.2830731	0.2839508		0.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0224CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05903	Injection Date:	02/24/12
Lab Sample ID:	2B05903-CCV1	Injection Time:	06:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	110.5	0.2185869	0.241605		10.5	20
cis-1,2-Dichloroethene	A	100.0	103.3	0.2422412	0.2501448		3.3	20
trans-1,2-Dichloroethene	A	100.0	106.0	0.2320514	0.246014		6.0	20
1,2-Dichloropropane	A	100.0	102.9	0.2403732	0.2473169		2.9	20
1,3-Dichloropropane	A	100.0	101.6	0.8578349	0.8714637		1.6	20
2,2-Dichloropropane	A	100.0	101.0	0.2781471	0.2810466		1.0	20
1,1-Dichloropropene	A	100.0	105.0	0.2943421	0.3091664		5.0	20
cis-1,3-Dichloropropene	A	100.0	105.0	0.3513351	0.368983		5.0	20
trans-1,3-Dichloropropene	A	100.0	97.94	0.8709479	0.8529795		-2.1	20
Ethylbenzene	A	100.0	100.0	2.288806	2.288803		-0.0001	20
Hexachlorobutadiene	A	100.0	67.92	0.2640917	0.1793738		-32.1	20 *
2-Hexanone	A	200.0	174.3	0.4098624	0.3572884		-12.8	20
Isopropylbenzene	A	100.0	103.4	1.822222	1.883782		3.4	20
p-Isopropyltoluene	A	100.0	94.76	1.414782	1.340628		-5.2	20
Methylene chloride	A	100.0	103.9	0.2623936	0.2726317		3.9	20
Naphthalene	A	100.0	75.67	1.29684	0.9813069		-24.3	20 *
4-Methyl-2-pentanone	A	200.0	173.4	0.2232636	0.1935262		-13.3	20
Methyl t-Butyl Ether	A	100.0	93.36	0.5588643	0.5217422		-6.6	20
n-Propylbenzene	A	100.0	98.19	2.14911	2.110224		-1.8	20
Styrene	A	100.0	103.6	1.566659	1.622954		3.6	20
1,1,2,2-Tetrachloroethane	A	100.0	100.6	0.6360206	0.6398168	0.3	0.6	20
1,1,1,2-Tetrachloroethane	A	100.0	110.1	0.5250825	0.5783425		10.1	20
Tetrachloroethene	A	100.0	109.6	0.6010461	0.6586865		9.6	20
Toluene	A	100.0	101.2	1.295232	1.311116		1.2	20
1,2,3-Trichlorobenzene	A	100.0	69.82	0.5415514	0.3781157		-30.2	20 *
1,2,4-Trichlorobenzene	A	100.0	81.09	0.5991079	0.4858354		-18.9	20
1,1,2-Trichloroethane	A	100.0	105.1	0.4520895	0.4749856		5.1	20
1,1,1-Trichloroethane	A	100.0	102.8	0.2879639	0.2959516		2.8	20
Trichloroethene	A	100.0	103.8	0.2300998	0.2389045		3.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA4	Calibration:	2011004
Lab File ID:	0224CCV1.D	Calibration Date:	01/06/12 08:49
Sequence:	2B05903	Injection Date:	02/24/12
Lab Sample ID:	2B05903-CCV1	Injection Time:	06:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	114.1	0.3114376	0.3552419		14.1	20
1,2,3-Trichloropropane	A	100.0	104.1	0.1622454	0.1689014		4.1	20
1,3,5-Trimethylbenzene	A	100.0	97.30	1.496877	1.456507		-2.7	20
1,2,4-Trimethylbenzene	A	100.0	95.42	1.545838	1.475123		-4.6	20
Vinyl chloride	A	100.0	107.4	0.1897108	0.2036736		7.4	20
Xylenes (total)	A	300.0	297.1	1.751605	1.734859		-1.0	20
Bromofluorobenzene	A	30.00	33.34	0.9167457	1.018856		11.1	20
Dibromofluoromethane	A	30.00	32.30	0.2896803	0.3119026		7.7	20
1,2-Dichloroethane-d4	A	30.00	32.58	5.843723E-02	6.346759E-02		8.6	20
Toluene-d8	A	30.00	32.95	2.297298	2.523355		9.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2058001
Lab File ID:	0227CCV1.D	Calibration Date:	02/24/12 08:41
Sequence:	2B05911	Injection Date:	02/27/12
Lab Sample ID:	2B05911-CCV1	Injection Time:	08:47

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	148.5	9.339484E-02	6.935283E-02		-25.7	20 *
Benzene	A	100.0	104.4	0.8602192	0.8977652		4.4	20
Bromobenzene	A	100.0	105.5	0.6107375	0.6442188		5.5	20
Bromochloromethane	A	100.0	106.7	0.1136619	0.1212672		6.7	20
Bromodichloromethane	A	100.0	107.5	0.2823761	0.3036692		7.5	20
Bromoform	L	100.0	91.89	0.2862301	0.3399234	0.1	-8.1	20
Bromomethane	A	100.0	103.3	0.1644342	0.1698288		3.3	20
n-Butylbenzene	A	100.0	108.5	1.832243	1.988324		8.5	20
2-Butanone	A	200.0	173.1	0.1496391	0.1295023		-13.5	20
sec-Butylbenzene	A	100.0	108.3	2.423221	2.623913		8.3	20
tert-Butylbenzene	A	100.0	108.7	1.82266	1.981165		8.7	20
Carbon disulfide	A	100.0	100.4	0.6691262	0.6720755		0.4	20
Carbon tetrachloride	A	100.0	106.6	0.2380363	0.2536476		6.6	20
Chlorobenzene	A	100.0	104.8	1.350373	1.414573	0.3	4.8	20
Chloroethane	A	100.0	102.9	0.162876	0.1676025		2.9	20
Chloroform	A	100.0	100.3	0.3813235	0.3825409		0.3	20
Chloromethane	A	100.0	102.5	0.3325784	0.340839	0.1	2.5	20
2-Chlorotoluene	A	100.0	107.2	1.793421	1.92211		7.2	20
4-Chlorotoluene	A	100.0	106.2	2.055608	2.182492		6.2	20
Dibromochloromethane	A	100.0	113.0	0.492338	0.5561103		13.0	20
1,2-Dibromo-3-chloropropane	A	100.0	107.0	0.1119457	0.1197319		7.0	20
1,2-Dibromoethane (EDB)	A	100.0	104.4	0.4941627	0.5156579		4.3	20
Dibromomethane	A	100.0	102.4	0.144268	0.1476664		2.4	20
1,2-Dichlorobenzene	A	100.0	105.5	1.059909	1.118058		5.5	20
1,3-Dichlorobenzene	A	100.0	106.9	1.116627	1.193403		6.9	20
1,4-Dichlorobenzene	A	100.0	104.3	1.135604	1.184627		4.3	20
Dichlorodifluoromethane	A	100.0	118.5	0.2070186	0.2453791		18.5	20
1,1-Dichloroethane	A	100.0	104.0	0.4434543	0.4611973	0.1	4.0	20
1,2-Dichloroethane	A	100.0	99.75	0.3342062	0.3333569		-0.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2058001
Lab File ID:	0227CCV1.D	Calibration Date:	02/24/12 08:41
Sequence:	2B05911	Injection Date:	02/27/12
Lab Sample ID:	2B05911-CCV1	Injection Time:	08:47

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	105.4	0.1880523	0.198104		5.3	20
cis-1,2-Dichloroethene	A	100.0	105.2	0.2234904	0.235213		5.2	20
trans-1,2-Dichloroethene	A	100.0	104.8	0.212059	0.2223127		4.8	20
1,2-Dichloropropane	A	100.0	105.6	0.2576356	0.2719932		5.6	20
1,3-Dichloropropane	A	100.0	103.9	0.8139995	0.8455141		3.9	20
2,2-Dichloropropane	A	100.0	108.2	0.2955599	0.3198872		8.2	20
1,1-Dichloropropene	A	100.0	103.8	0.3045034	0.3159874		3.8	20
cis-1,3-Dichloropropene	A	100.0	107.7	0.3494385	0.3761933		7.7	20
trans-1,3-Dichloropropene	A	100.0	106.6	0.8095811	0.8626848		6.6	20
Ethylbenzene	A	100.0	105.2	2.259375	2.376807		5.2	20
Hexachlorobutadiene	A	100.0	99.87	0.2675102	0.2671524		-0.1	20
2-Hexanone	A	200.0	184.9	0.4864726	0.4496437		-7.6	20
Isopropylbenzene	A	100.0	105.4	1.904316	2.006975		5.4	20
p-Isopropyltoluene	A	100.0	108.2	1.997361	2.161015		8.2	20
Methylene chloride	A	100.0	97.78	0.2361778	0.23093		-2.2	20
Naphthalene	A	100.0	99.61	1.369665	1.364354		-0.4	20
4-Methyl-2-pentanone	A	200.0	184.0	0.2876506	0.2646431		-8.0	20
Methyl t-Butyl Ether	A	100.0	100.6	0.5821632	0.5857557		0.6	20
n-Propylbenzene	A	100.0	108.4	2.949669	3.199045		8.5	20
Styrene	A	100.0	107.8	1.454704	1.568794		7.8	20
1,1,2,2-Tetrachloroethane	A	100.0	106.6	0.7165768	0.7638129	0.3	6.6	20
1,1,1,2-Tetrachloroethane	A	100.0	105.8	0.4476738	0.47344		5.8	20
Tetrachloroethene	A	100.0	105.4	0.4588878	0.4835831		5.4	20
Toluene	A	100.0	102.0	1.198456	1.222112		2.0	20
1,2,3-Trichlorobenzene	A	100.0	100.8	0.5196782	0.523806		0.8	20
1,2,4-Trichlorobenzene	A	100.0	104.7	0.608887	0.6373318		4.7	20
1,1,2-Trichloroethane	A	100.0	104.7	0.3932526	0.4118563		4.7	20
1,1,1-Trichloroethane	A	100.0	103.9	0.2871309	0.2984192		3.9	20
Trichloroethene	A	100.0	104.4	0.2132154	0.2226513		4.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2058001
Lab File ID:	0227CCV1.D	Calibration Date:	02/24/12 08:41
Sequence:	2B05911	Injection Date:	02/27/12
Lab Sample ID:	2B05911-CCV1	Injection Time:	08:47

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	101.2	0.3025918	0.3061051		1.2	20
1,2,3-Trichloropropane	A	100.0	99.46	0.1571792	0.1563313		-0.5	20
1,3,5-Trimethylbenzene	A	100.0	106.4	1.967283	2.092814		6.4	20
1,2,4-Trimethylbenzene	A	100.0	106.5	2.012428	2.143879		6.5	20
Vinyl chloride	A	100.0	103.3	0.2334626	0.2410868		3.3	20
Xylenes (total)	A	300.0	316.3	1.709675	1.802132		5.4	20
Bromofluorobenzene	A	30.00	31.59	0.8331513	0.8771982		5.3	20
Dibromofluoromethane	A	30.00	30.47	0.2702476	0.2745125		1.6	20
1,2-Dichloroethane-d4	A	30.00	30.95	6.033022E-02	6.223922E-02		3.2	20
Toluene-d8	A	30.00	31.60	2.195738	2.312863		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

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2059001
Lab File ID:	0228CCV1.D	Calibration Date:	02/24/12 02:19
Sequence:	2B06039	Injection Date:	02/28/12
Lab Sample ID:	2B06039-CCV1	Injection Time:	09:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	153.8	8.595842E-02	6.609407E-02		-23.1	20 *
Benzene	A	100.0	94.08	1.219353	1.14711		-5.9	20
Bromobenzene	A	100.0	91.07	0.6204316	0.5650172		-8.9	20
Bromochloromethane	A	100.0	98.70	0.1693621	0.1671619		-1.3	20
Bromodichloromethane	A	100.0	103.8	0.3812601	0.3957236		3.8	20
Bromoform	L	100.0	87.61	0.3157097	0.3863995	0.1	-12.4	20
Bromomethane	A	100.0	89.39	0.248015	0.2217081		-10.6	20
n-Butylbenzene	A	100.0	96.51	1.282372	1.237575		-3.5	20
2-Butanone	A	200.0	200.8	0.1073329	0.1077334		0.4	20
sec-Butylbenzene	A	100.0	95.79	1.824581	1.747706		-4.2	20
tert-Butylbenzene	A	100.0	94.08	1.508318	1.418998		-5.9	20
Carbon disulfide	A	100.0	87.08	0.839738	0.7312085		-12.9	20
Carbon tetrachloride	A	100.0	99.55	0.3565355	0.3549248		-0.5	20
Chlorobenzene	A	100.0	91.98	1.765121	1.623586	0.3	-8.0	20
Chloroethane	A	100.0	84.78	0.2331145	0.1976407		-15.2	20
Chloroform	A	100.0	91.59	0.5345937	0.4896474		-8.4	20
Chloromethane	A	100.0	87.07	0.373899	0.3255562	0.1	-12.9	20
2-Chlorotoluene	A	100.0	91.76	1.469039	1.347978		-8.2	20
4-Chlorotoluene	A	100.0	92.27	1.676028	1.546458		-7.7	20
Dibromochloromethane	A	100.0	113.7	0.5047702	0.5738359		13.7	20
1,2-Dibromo-3-chloropropane	L	100.0	82.31	9.732045E-02	9.922992E-02		-17.7	20
1,2-Dibromoethane (EDB)	A	100.0	93.98	0.5526186	0.5193507		-6.0	20
Dibromomethane	A	100.0	94.97	0.1891106	0.1795899		-5.0	20
1,2-Dichlorobenzene	A	100.0	92.56	1.064145	0.9849607		-7.4	20
1,3-Dichlorobenzene	A	100.0	91.66	1.122098	1.028553		-8.3	20
1,4-Dichlorobenzene	A	100.0	88.12	1.195894	1.05379		-11.9	20
Dichlorodifluoromethane	A	100.0	109.3	0.257201	0.2810343		9.3	20
1,1-Dichloroethane	A	100.0	90.71	0.5152901	0.4673949	0.1	-9.3	20
1,2-Dichloroethane	A	100.0	92.55	0.3921371	0.3629188		-7.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2059001
Lab File ID:	0228CCV1.D	Calibration Date:	02/24/12 02:19
Sequence:	2B06039	Injection Date:	02/28/12
Lab Sample ID:	2B06039-CCV1	Injection Time:	09:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	90.67	0.2596917	0.2354724		-9.3	20
cis-1,2-Dichloroethene	A	100.0	93.75	0.3228416	0.3026783		-6.2	20
trans-1,2-Dichloroethene	A	100.0	95.72	0.3025097	0.2895714		-4.3	20
1,2-Dichloropropane	A	100.0	95.00	0.2906038	0.2760853		-5.0	20
1,3-Dichloropropane	A	100.0	91.15	0.9104382	0.8298519		-8.9	20
2,2-Dichloropropane	A	100.0	90.99	0.4051021	0.3685905		-9.0	20
1,1-Dichloropropene	A	100.0	93.14	0.3951314	0.3680323		-6.9	20
cis-1,3-Dichloropropene	A	100.0	102.8	0.4323465	0.4442701		2.8	20
trans-1,3-Dichloropropene	A	100.0	103.8	0.8162198	0.8473526		3.8	20
Ethylbenzene	A	100.0	97.38	2.65679	2.587176		-2.6	20
Hexachlorobutadiene	A	100.0	88.88	0.2814113	0.2501311		-11.1	20
2-Hexanone	A	200.0	207.0	0.2985802	0.3089737		3.5	20
Isopropylbenzene	A	100.0	99.53	2.265209	2.254547		-0.5	20
p-Isopropyltoluene	A	100.0	96.53	1.634036	1.577369		-3.5	20
Methylene chloride	L	100.0	91.90	0.382141	0.2896593		-8.1	20
Naphthalene	L	100.0	82.60	1.372531	1.410348		-17.4	20
4-Methyl-2-pentanone	A	200.0	215.4	0.2248017	0.2421552		7.7	20
Methyl t-Butyl Ether	A	100.0	90.94	0.7256533	0.6599159		-9.1	20
n-Propylbenzene	A	100.0	93.45	2.233961	2.087669		-6.5	20
Styrene	L	100.0	87.92	1.700416	1.848862		-12.1	20
1,1,2,2-Tetrachloroethane	A	100.0	86.29	0.4777363	0.4122197	0.3	-13.7	20
1,1,1,2-Tetrachloroethane	A	100.0	105.0	0.5502436	0.5776852		5.0	20
Tetrachloroethene	A	100.0	88.85	0.7080539	0.6290857		-11.2	20
Toluene	A	100.0	93.50	1.532035	1.432504		-6.5	20
1,2,3-Trichlorobenzene	A	100.0	97.53	0.5910193	0.576395		-2.5	20
1,2,4-Trichlorobenzene	A	100.0	95.87	0.6539298	0.6269318		-4.1	20
1,1,2-Trichloroethane	A	100.0	90.55	0.4298958	0.3892853		-9.4	20
1,1,1-Trichloroethane	A	100.0	92.18	0.4348131	0.4007994		-7.8	20
Trichloroethene	A	100.0	93.85	0.3177441	0.2981977		-6.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA3	Calibration:	2059001
Lab File ID:	0228CCV1.D	Calibration Date:	02/24/12 02:19
Sequence:	2B06039	Injection Date:	02/28/12
Lab Sample ID:	2B06039-CCV1	Injection Time:	09:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	89.81	0.4563875	0.4099042		-10.2	20
1,2,3-Trichloropropane	A	100.0	92.50	0.2141308	0.198071		-7.5	20
1,3,5-Trimethylbenzene	A	100.0	97.64	1.570213	1.533171		-2.4	20
1,2,4-Trimethylbenzene	A	100.0	96.78	1.645455	1.592482		-3.2	20
Vinyl chloride	A	100.0	81.48	0.3285338	0.2676988		-18.5	20
Xylenes (total)	A	300.0	301.0	2.087335	2.09464		0.3	20
Bromofluorobenzene	A	30.00	31.81	0.9357349	0.9920599		6.0	20
Dibromofluoromethane	A	30.00	28.86	0.2737516	0.2633761		-3.8	20
1,2-Dichloroethane-d4	A	30.00	27.88	7.177689E-02	6.670853E-02		-7.1	20
Toluene-d8	A	30.00	28.57	2.077124	1.978216		-4.8	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_045

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_045

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_045

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_045

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_045

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_045
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	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B24009-BLK1 File ID: 0224BLK1.D

Sampled: Prepared: Analyzed: 02/24/12 08:17

Solids: Preparation: 5030B Dilution:

Batch: 2B24009 Sequence: 2B05903 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_045

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

Matrix: Laboratory ID: 2B24009-BLK1 File ID: 0224BLK1.D

Sampled: Prepared: Analyzed: 02/24/12 08:17

Solids: Preparation: 5030B Dilution:

Batch: 2B24009 Sequence: 2B05903 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	0.419	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	0.423	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	30.10	100	75 - 120	
Dibromofluoromethane	30.00	32.15	107	85 - 115	
1,2-Dichloroethane-d4	30.00	32.20	107	70 - 120	
Toluene-d8	30.00	29.75	99.2	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B24009-BS1 File ID: 0224LCS1.D

Sampled: Prepared: Analyzed: 02/24/12 06:53

Solids: Preparation: 5030B Dilution:

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.6	2.50	5.00	10.0	
71-43-2	Benzene	52.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.8	0.250	0.500	1.00	
75-25-2	Bromoform	54.6	0.250	0.500	1.00	
74-83-9	Bromomethane	54.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	49.1	0.250	0.500	1.00	
78-93-3	2-Butanone	84.8	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.5	0.250	0.500	1.00	
75-15-0	Carbon disulfide	46.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	54.8	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.4	0.250	0.500	1.00	
75-00-3	Chloroethane	61.3	0.500	1.00	2.00	
67-66-3	Chloroform	49.1	0.250	0.500	1.00	
74-87-3	Chloromethane	46.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.5	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	47.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.9	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	50.9	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	51.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	51.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	44.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	42.8	0.250	0.500	1.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B24009-BS1 File ID: 0224LCS1.D

Sampled: Prepared: Analyzed: 02/24/12 06:53

Solids: Preparation: 5030B Dilution:

Batch: 2B24009 Sequence: 2B05903 Calibration: 2011004 Instrument: MS-VOA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	82.7	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	50.1	0.500	1.00	2.00	
91-20-3	Naphthalene	47.8	0.250	0.500	1.00	Y, B
108-10-1	4-Methyl-2-pentanone	89.8	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.5	0.250	0.500	1.00	
100-42-5	Styrene	49.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.3	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.1	0.250	0.500	1.00	
108-88-3	Toluene	51.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	43.5	0.250	0.500	1.00	Y
120-82-1	1,2,4-Trichlorobenzene	46.0	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	51.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	54.8	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	50.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	59.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	145	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.64	105	75 - 120	
Dibromofluoromethane	30.00	33.09	110	85 - 115	
1,2-Dichloroethane-d4	30.00	32.24	107	70 - 120	
Toluene-d8	30.00	31.65	106	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27011-BLK1 File ID: 0227BL1.D

Sampled: Prepared: Analyzed: 02/27/12 10:34

Solids: Preparation: 5030B Dilution:

Batch: 2B27011 Sequence: 2B05911 Calibration: 2058001 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27011-BLK1 File ID: 0227BL1.D

Sampled: Prepared: Analyzed: 02/27/12 10:34

Solids: Preparation: 5030B Dilution:

Batch: 2B27011 Sequence: 2B05911 Calibration: 2058001 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	0.280	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	31.21	104	75 - 120	
Dibromofluoromethane	30.00	30.84	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.88	103	70 - 120	
Toluene-d8	30.00	31.24	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27011-BS1 File ID: 0227LCS1.D

Sampled: Prepared: Analyzed: 02/27/12 09:14

Solids: Preparation: 5030B Dilution:

Batch: 2B27011 Sequence: 2B05911 Calibration: 2058001 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	73.4	2.50	5.00	10.0	Y
71-43-2	Benzene	50.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.8	0.250	0.500	1.00	
75-25-2	Bromoform	44.9	0.250	0.500	1.00	
74-83-9	Bromomethane	51.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.4	0.250	0.500	1.00	
78-93-3	2-Butanone	86.5	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	45.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	51.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.4	0.250	0.500	1.00	
75-00-3	Chloroethane	53.4	0.500	1.00	2.00	
67-66-3	Chloroform	48.2	0.250	0.500	1.00	
74-87-3	Chloromethane	48.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	53.0	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	48.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	50.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	43.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	50.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	48.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.6	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.6	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.1	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	53.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	54.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27011-BS1 File ID: 0227LCS1.D

Sampled: Prepared: Analyzed: 02/27/12 09:14

Solids: Preparation: 5030B Dilution:

Batch: 2B27011 Sequence: 2B05911 Calibration: 2058001 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	95.0	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	49.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.6	0.500	1.00	2.00	
91-20-3	Naphthalene	54.3	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	93.9	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.0	0.250	0.500	1.00	
100-42-5	Styrene	51.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	52.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.5	0.250	0.500	1.00	
108-88-3	Toluene	50.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	54.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	53.8	0.250	0.500	1.00	B
79-00-5	1,1,2-Trichloroethane	52.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	49.0	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	53.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	154	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.22	104	75 - 120	
Dibromofluoromethane	30.00	30.74	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.68	102	70 - 120	
Toluene-d8	30.00	31.58	105	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B28001-BLK1 File ID: 0228BLK1.D

Sampled: Prepared: Analyzed: 02/28/12 11:37

Solids: Preparation: 5030B Dilution:

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B28001-BLK1
File ID: 0228BLK1.D
Sampled:
Prepared:
Analyzed: 02/28/12 11:37
Solids:
Preparation: 5030B
Dilution:
Batch: 2B28001
Sequence: 2B06039
Calibration: 2059001
Instrument: MS-VOA3

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	29.91	99.7	75 - 120	
Dibromofluoromethane	30.00	29.43	98.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.49	95.0	70 - 120	
Toluene-d8	30.00	29.36	97.9	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B28001-BS1 File ID: 0228LCS1.D

Sampled: Prepared: Analyzed: 02/28/12 10:17

Solids: Preparation: 5030B Dilution:

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	83.2	2.50	5.00	10.0	Y
71-43-2	Benzene	47.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	46.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.9	0.250	0.500	1.00	
75-25-2	Bromoform	42.7	0.250	0.500	1.00	
74-83-9	Bromomethane	47.7	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	52.1	0.250	0.500	1.00	
78-93-3	2-Butanone	108	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	41.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	51.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.2	0.250	0.500	1.00	
75-00-3	Chloroethane	47.4	0.500	1.00	2.00	
67-66-3	Chloroform	45.5	0.250	0.500	1.00	
74-87-3	Chloromethane	43.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	55.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	41.3	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	44.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	47.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	47.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	46.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	45.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.2	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	47.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	46.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	47.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	47.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	49.4	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B28001-BS1 File ID: 0228LCS1.D

Sampled: Prepared: Analyzed: 02/28/12 10:17

Solids: Preparation: 5030B Dilution:

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	112	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.2	0.500	1.00	2.00	
91-20-3	Naphthalene	42.6	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	113	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	46.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.8	0.250	0.500	1.00	
100-42-5	Styrene	44.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	44.6	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	48.3	0.250	0.500	1.00	
108-88-3	Toluene	48.3	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	50.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	47.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	48.1	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	45.7	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.2	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.6	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	152	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.50	105	75 - 120	
Dibromofluoromethane	30.00	28.77	95.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.38	94.6	70 - 120	
Toluene-d8	30.00	29.51	98.4	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B28001-MS1 File ID: 0215905M.D

Sampled: Prepared: Analyzed: 02/28/12 19:36

Solids: Preparation: 5030B Dilution:

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	91.7	2.50	5.00	10.0	Y
71-43-2	Benzene	50.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.2	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.3	0.250	0.500	1.00	
75-25-2	Bromoform	37.9	0.250	0.500	1.00	
74-83-9	Bromomethane	15.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	48.9	0.250	0.500	1.00	
78-93-3	2-Butanone	112	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	49.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	50.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	45.9	0.250	0.500	1.00	
75-00-3	Chloroethane	50.9	0.500	1.00	2.00	
67-66-3	Chloroform	48.1	0.250	0.500	1.00	
74-87-3	Chloromethane	40.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	48.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	39.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	46.1	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	47.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	46.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	45.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	48.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	43.4	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	47.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	44.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	48.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	43.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.5	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	43.1	0.250	0.500	1.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B28001-MS1 File ID: 0215905M.D

Sampled: Prepared: Analyzed: 02/28/12 19:36

Solids: Preparation: 5030B Dilution:

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	117	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.0	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.5	0.500	1.00	2.00	
91-20-3	Naphthalene	40.5	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	124	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	45.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.1	0.250	0.500	1.00	
100-42-5	Styrene	42.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.3	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	45.9	0.250	0.500	1.00	
108-88-3	Toluene	47.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.5	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	47.0	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	47.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	49.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.6	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	52.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	56.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	150	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.09	100	75 - 120	
Dibromofluoromethane	30.00	29.40	98.0	85 - 115	
1,2-Dichloroethane-d4	30.00	27.52	91.7	70 - 120	
Toluene-d8	30.00	27.46	91.5	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B28001-MSD1 File ID: 0215905S.D

Sampled: Prepared: Analyzed: 02/28/12 20:02

Solids: Preparation: 5030B Dilution:

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	90.6	2.50	5.00	10.0	Y
71-43-2	Benzene	51.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.7	0.250	0.500	1.00	
75-25-2	Bromoform	39.8	0.250	0.500	1.00	
74-83-9	Bromomethane	22.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.1	0.250	0.500	1.00	
78-93-3	2-Butanone	116	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	51.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.5	0.250	0.500	1.00	
75-00-3	Chloroethane	53.0	0.500	1.00	2.00	
67-66-3	Chloroform	48.9	0.250	0.500	1.00	
74-87-3	Chloromethane	39.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.7	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	42.0	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	48.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	46.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	48.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	45.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.0	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	44.7	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	45.9	0.250	0.500	1.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B28001-MSD1 File ID: 0215905S.D

Sampled: Prepared: Analyzed: 02/28/12 20:02

Solids: Preparation: 5030B Dilution:

Batch: 2B28001 Sequence: 2B06039 Calibration: 2059001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	122	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	48.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.2	0.500	1.00	2.00	
91-20-3	Naphthalene	42.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	127	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	49.5	0.250	0.500	1.00	
100-42-5	Styrene	43.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.3	0.250	0.500	1.00	
108-88-3	Toluene	49.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.7	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	48.8	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	48.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.3	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	52.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	57.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	155	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	29.12	97.1	85 - 115	
1,2-Dichloroethane-d4	30.00	27.71	92.4	70 - 120	
Toluene-d8	30.00	28.30	94.3	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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
GW0389	02/16/12 15:09	02/20/12 08:00	02/23/12 00:00	N/A	14.00	02/23/12 19:29	7.14	14.00	
GW0390	02/16/12 15:09	02/20/12 08:00	02/23/12 00:00	N/A	14.00	02/23/12 19:57	7.16	14.00	
GW0444	02/17/12 11:07	02/20/12 08:00	02/23/12 00:00	N/A	14.00	02/23/12 20:25	6.35	14.00	
GW0449	02/17/12 11:47	02/20/12 08:00	02/23/12 00:00	N/A	14.00	02/23/12 16:40	6.16	14.00	
GW0450	02/17/12 11:47	02/20/12 08:00	02/23/12 00:00	N/A	14.00	02/23/12 17:08	6.18	14.00	
GW8179-TB	02/17/12 08:00	02/20/12 08:00	02/23/12 00:00	N/A	14.00	02/23/12 14:47	6.24	14.00	
GW0451	02/21/12 12:16	02/22/12 08:20	02/23/12 00:00	N/A	14.00	02/23/12 17:36	2.18	14.00	
GW0464	02/21/12 12:35	02/22/12 08:20	02/23/12 00:00	N/A	14.00	02/23/12 18:04	2.19	14.00	
GW0476	02/20/12 15:27	02/22/12 08:20	02/24/12 00:00	N/A	14.00	02/24/12 13:57	3.90	14.00	
GW0478	02/20/12 12:17	02/22/12 08:20	02/23/12 00:00	N/A	14.00	02/23/12 18:33	3.22	14.00	
GW8180-TB	02/20/12 08:00	02/22/12 08:20	02/23/12 00:00	N/A	14.00	02/23/12 15:15	3.26	14.00	
GW0440	02/22/12 14:14	02/23/12 08:30	02/24/12 00:00	N/A	14.00	02/24/12 11:36	1.85	14.00	
GW0457	02/22/12 11:27	02/23/12 08:30	02/24/12 00:00	N/A	14.00	02/24/12 12:04	1.98	14.00	
GW0462	02/21/12 15:11	02/23/12 08:30	02/24/12 00:00	N/A	14.00	02/24/12 14:25	2.93	14.00	
GW0463	02/22/12 10:23	02/23/12 08:30	02/24/12 00:00	N/A	14.00	02/24/12 14:53	2.15	14.00	
GW0463	02/22/12 10:23	02/23/12 08:30	02/27/12 00:00	N/A	14.00	02/27/12 15:28	5.17	14.00	
GW0477	02/21/12 15:41	02/23/12 08:30	02/24/12 00:00	N/A	14.00	02/24/12 15:22	2.95	14.00	
GW8043-AB	02/22/12 14:14	02/23/12 08:30	02/24/12 00:00	N/A	14.00	02/24/12 10:10	1.79	14.00	
GW8181-TB	02/22/12 08:00	02/23/12 08:30	02/24/12 00:00	N/A	14.00	02/24/12 10:38	2.07	14.00	
GW0399	02/22/12 15:47	02/24/12 08:30	02/28/12 00:00	N/A	14.00	02/28/12 13:50	5.88	14.00	
GW0438	02/23/12 12:32	02/24/12 08:30	02/28/12 00:00	N/A	14.00	02/28/12 19:09	5.23	14.00	
GW0439	02/23/12 09:32	02/24/12 08:30	02/28/12 00:00	N/A	14.00	02/28/12 14:17	5.16	14.00	
GW0455	02/23/12 10:15	02/24/12 08:30	02/28/12 00:00	N/A	14.00	02/28/12 14:44	5.15	14.00	
GW0456	02/23/12 14:05	02/24/12 08:30	02/28/12 00:00	N/A	14.00	02/28/12 15:10	5.00	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

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
GW8044-AB	02/23/12 10:15	02/24/12 08:30	02/28/12 00:00	N/A	14.00	02/28/12 13:24	5.09	14.00	
GW8182-TB	02/23/12 08:00	02/24/12 08:30	02/28/12 00:00	N/A	14.00	02/28/12 12:57	5.16	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01	File ID:	0213701.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/24/12 23:12
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		1.18	2.36	4.72	Q, U
208-96-8	Acenaphthylene		1.18	2.36	4.72	Q, U
98-86-2	Acetophenone	1160	1.18	2.36	4.72	E
120-12-7	Anthracene		1.18	2.36	4.72	Q, 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	X, U
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	Q, U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	Q, U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	Q, U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	23.6	47.2	Y, U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	Q, U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	Q, U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	Q, U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	Q, 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	Q, 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	Q, U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	Q, U
218-01-9	Chrysene		1.18	2.36	4.72	Q, U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	Q, U
132-64-9	Dibenzofuran		1.18	2.36	4.72	Q, U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	Q, U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	Q, X, U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	Q, 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	Y, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	Q, U

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01	File ID:	0213701.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/24/12 23:12
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		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	Q, U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	Q, U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	Q, U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene	13.3	1.18	2.36	4.72	
91-57-6	2-Methylnaphthalene	14.7	1.18	2.36	4.72	Q
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene	25.2	1.18	2.36	4.72	
100-01-6	4-Nitroaniline		4.72	9.43	18.9	Y, U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	Y, U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	Y, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	32.44	68.8	50 - 110	
2-Fluorophenol	94.34	21.38	22.7	20 - 110	
Nitrobenzene-d5	47.17	18.63	39.5	40 - 110	*Y
Phenol-d6	94.34	45.42	48.1	0 - 110	
Terphenyl-d14	47.17	37.24	78.9	50 - 135	
2,4,6-Tribromophenol	94.34	90.72	96.2	40 - 125	X

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01RE1	File ID:	0213701D.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 22:25
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2B21009 Sequence: 2B05915 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		118	236	472	Q, U
208-96-8	Acenaphthylene		118	236	472	Q, U
98-86-2	Acetophenone	3790	118	236	472	D
120-12-7	Anthracene		118	236	472	Q, U
1912-24-9	Atrazine		118	236	472	U
100-52-7	Benzaldehyde		118	236	472	U
92-87-5	Benzidine		1180	2360	4720	U
56-55-3	Benzo(a)anthracene		118	236	472	Q, U
50-32-8	Benzo(a)pyrene		118	236	472	Q, U
205-99-2	Benzo(b)fluoranthene		118	236	472	Q, U
191-24-2	Benzo(g,h,i)perylene		118	236	472	U
65-85-0	Benzoic acid		1180	2360	4720	U
207-08-9	Benzo(k)fluoranthene		118	236	472	Q, U
92-52-4	1,1-Biphenyl		118	236	472	U
101-55-3	4-Bromophenyl-phenylether		118	236	472	Q, U
85-68-7	Butylbenzylphthalate		118	236	472	Q, U
105-60-2	Caprolactam		118	236	472	Q, U
86-74-8	Carbazole		118	236	472	Q, U
59-50-7	4-Chloro-3-methylphenol		118	236	472	U
106-47-8	4-Chloroaniline		118	236	472	U
111-91-1	Bis(2-chloroethoxy)methane		118	236	472	Q, U
111-44-4	Bis(2-chloroethyl)ether		118	236	472	U
108-60-1	2,2'-Oxybis-1-chloropropane		118	236	472	Y, U
91-58-7	2-Chloronaphthalene		118	236	472	Q, U
95-57-8	2-Chlorophenol		118	236	472	U
7005-72-3	4-Chlorophenyl phenyl ether		118	236	472	Q, U
218-01-9	Chrysene		118	236	472	Q, U
53-70-3	Dibenz(a,h)anthracene		118	236	472	Q, U
132-64-9	Dibenzofuran		118	236	472	Q, U
84-74-2	Di-n-butylphthalate		118	236	472	Q, U
91-94-1	3,3'-Dichlorobenzidine		118	236	472	Q, U
120-83-2	2,4-Dichlorophenol		118	236	472	Q, U
84-66-2	Diethylphthalate		118	236	472	U
105-67-9	2,4-Dimethylphenol		472	943	1890	U
131-11-3	Dimethyl phthalate		118	236	472	U
534-52-1	4,6-Dinitro-2-methylphenol		472	943	1890	U
51-28-5	2,4-Dinitrophenol		94.3	2360	4720	Y, U
121-14-2	2,4-Dinitrotoluene		118	236	472	Y, U
606-20-2	2,6-Dinitrotoluene		118	236	472	Y, U
117-84-0	Di-n-octylphthalate		118	236	472	Q, U

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01RE1	File ID:	0213701D.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 22:25
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2B21009 Sequence: 2B05915 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		118	236	472	U
117-81-7	Bis(2-ethylhexyl)phthalate		118	236	472	Q, U
206-44-0	Fluoranthene		118	236	472	U
86-73-7	Fluorene		118	236	472	Q, U
118-74-1	Hexachlorobenzene		118	236	472	Q, U
87-68-3	Hexachlorobutadiene		118	236	472	U
77-47-4	Hexachlorocyclopentadiene		118	236	472	U
67-72-1	Hexachloroethane		118	236	472	U
193-39-5	Indeno(1,2,3-cd)pyrene		118	236	472	U
78-59-1	Isophorone		118	236	472	U
90-12-0	1-Methylnaphthalene		118	236	472	U
91-57-6	2-Methylnaphthalene		118	236	472	Q, U
95-48-7	2-Methylphenol		118	236	472	U
108-39-4/106	3-Methylphenol/4-Methylphenol		118	236	472	U
91-20-3	Naphthalene		118	236	472	U
100-01-6	4-Nitroaniline		472	943	1890	Y, U
99-09-2	3-Nitroaniline		472	943	1890	U
88-74-4	2-Nitroaniline		472	943	1890	Y, U
98-95-3	Nitrobenzene		118	236	472	U
100-02-7	4-Nitrophenol		472	943	1890	Y, U
88-75-5	2-Nitrophenol		118	236	472	U
86-30-6	N-Nitrosodiphenylamine		118	236	472	U
621-64-7	N-Nitroso-di-n-propylamine		118	236	472	Y, U
87-86-5	Pentachlorophenol		472	943	1890	U
85-01-8	Phenanthrene		118	236	472	Q, U
108-95-2	Phenol		118	236	472	U
129-00-0	Pyrene		118	236	472	U
88-06-2	2,4,6-Trichlorophenol		118	236	472	Q, Y, U
95-95-4	2,4,5-Trichlorophenol		118	236	472	Q, Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	0.000		50 - 110	DU
2-Fluorophenol	94.34	0.000		20 - 110	DU
Nitrobenzene-d5	47.17	0.000		40 - 110	DU
Phenol-d6	94.34	0.000		0 - 110	DU
Terphenyl-d14	47.17	0.000		50 - 135	DU
2,4,6-Tribromophenol	94.34	0.000		40 - 125	DU

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03	File ID:	0213703.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/24/12 23:41
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	1130	1.23	2.45	4.90	E
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	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	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	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	Q, U

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03	File ID:	0213703.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/24/12 23:41
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	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	14.0	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	15.2	1.23	2.45	4.90	Q
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	29.1	1.23	2.45	4.90	
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	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	29.93	61.1	50 - 110	
2-Fluorophenol	98.04	21.72	22.2	20 - 110	
Nitrobenzene-d5	49.02	19.94	40.7	40 - 110	Y
Phenol-d6	98.04	56.76	57.9	0 - 110	
Terphenyl-d14	49.02	44.13	90.0	50 - 135	
2,4,6-Tribromophenol	98.04	116.7	119	40 - 125	X

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03RE1	File ID:	0213703D.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 22:55
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2B21009 Sequence: 2B05915 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		123	245	490	Q, U
208-96-8	Acenaphthylene		123	245	490	Q, U
98-86-2	Acetophenone	3770	123	245	490	D
120-12-7	Anthracene		123	245	490	Q, U
1912-24-9	Atrazine		123	245	490	U
100-52-7	Benzaldehyde		123	245	490	U
92-87-5	Benzidine		1230	2450	4900	U
56-55-3	Benzo(a)anthracene		123	245	490	Q, U
50-32-8	Benzo(a)pyrene		123	245	490	Q, U
205-99-2	Benzo(b)fluoranthene		123	245	490	Q, U
191-24-2	Benzo(g,h,i)perylene		123	245	490	U
65-85-0	Benzoic acid		1230	2450	4900	U
207-08-9	Benzo(k)fluoranthene		123	245	490	Q, U
92-52-4	1,1-Biphenyl		123	245	490	U
101-55-3	4-Bromophenyl-phenylether		123	245	490	Q, U
85-68-7	Butylbenzylphthalate		123	245	490	Q, U
105-60-2	Caprolactam		123	245	490	Q, U
86-74-8	Carbazole		123	245	490	Q, U
59-50-7	4-Chloro-3-methylphenol		123	245	490	U
106-47-8	4-Chloroaniline		123	245	490	U
111-91-1	Bis(2-chloroethoxy)methane		123	245	490	Q, U
111-44-4	Bis(2-chloroethyl)ether		123	245	490	U
108-60-1	2,2'-Oxybis-1-chloropropane		123	245	490	Y, U
91-58-7	2-Chloronaphthalene		123	245	490	Q, U
95-57-8	2-Chlorophenol		123	245	490	U
7005-72-3	4-Chlorophenyl phenyl ether		123	245	490	Q, U
218-01-9	Chrysene		123	245	490	Q, U
53-70-3	Dibenz(a,h)anthracene		123	245	490	Q, U
132-64-9	Dibenzofuran		123	245	490	Q, U
84-74-2	Di-n-butylphthalate		123	245	490	Q, U
91-94-1	3,3'-Dichlorobenzidine		123	245	490	Q, U
120-83-2	2,4-Dichlorophenol		123	245	490	Q, U
84-66-2	Diethylphthalate		123	245	490	U
105-67-9	2,4-Dimethylphenol		490	980	1960	U
131-11-3	Dimethyl phthalate		123	245	490	U
534-52-1	4,6-Dinitro-2-methylphenol		490	980	1960	U
51-28-5	2,4-Dinitrophenol		98.0	2450	4900	Y, U
121-14-2	2,4-Dinitrotoluene		123	245	490	Y, U
606-20-2	2,6-Dinitrotoluene		123	245	490	Y, U
117-84-0	Di-n-octylphthalate		123	245	490	Q, U

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03RE1	File ID:	0213703D.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 22:55
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2B21009 Sequence: 2B05915 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		123	245	490	U
117-81-7	Bis(2-ethylhexyl)phthalate		123	245	490	Q, U
206-44-0	Fluoranthene		123	245	490	U
86-73-7	Fluorene		123	245	490	Q, U
118-74-1	Hexachlorobenzene		123	245	490	Q, U
87-68-3	Hexachlorobutadiene		123	245	490	U
77-47-4	Hexachlorocyclopentadiene		123	245	490	U
67-72-1	Hexachloroethane		123	245	490	U
193-39-5	Indeno(1,2,3-cd)pyrene		123	245	490	U
78-59-1	Isophorone		123	245	490	U
90-12-0	1-Methylnaphthalene		123	245	490	U
91-57-6	2-Methylnaphthalene		123	245	490	Q, U
95-48-7	2-Methylphenol		123	245	490	U
108-39-4/106	3-Methylphenol/4-Methylphenol		123	245	490	U
91-20-3	Naphthalene		123	245	490	U
100-01-6	4-Nitroaniline		490	980	1960	Y, U
99-09-2	3-Nitroaniline		490	980	1960	U
88-74-4	2-Nitroaniline		490	980	1960	Y, U
98-95-3	Nitrobenzene		123	245	490	U
100-02-7	4-Nitrophenol		490	980	1960	Y, U
88-75-5	2-Nitrophenol		123	245	490	U
86-30-6	N-Nitrosodiphenylamine		123	245	490	U
621-64-7	N-Nitroso-di-n-propylamine		123	245	490	Y, U
87-86-5	Pentachlorophenol		490	980	1960	U
85-01-8	Phenanthrene		123	245	490	Q, U
108-95-2	Phenol		123	245	490	U
129-00-0	Pyrene		123	245	490	U
88-06-2	2,4,6-Trichlorophenol		123	245	490	Q, Y, U
95-95-4	2,4,5-Trichlorophenol		123	245	490	Q, Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	0.000		50 - 110	DU
2-Fluorophenol	98.04	0.000		20 - 110	DU
Nitrobenzene-d5	49.02	0.000		40 - 110	DU
Phenol-d6	98.04	0.000		0 - 110	DU
Terphenyl-d14	49.02	0.000		50 - 135	DU
2,4,6-Tribromophenol	98.04	0.000		40 - 125	DU

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05	File ID:	0213705.D
Sampled:	02/17/12 11:07	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 00:11
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		1.20	2.40	4.81	Q, U
208-96-8	Acenaphthylene		1.20	2.40	4.81	Q, U
98-86-2	Acetophenone	8.97	1.20	2.40	4.81	
120-12-7	Anthracene		1.20	2.40	4.81	Q, 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	X, U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	Q, U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	Q, U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	Q, U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	Y, U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	Q, 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	Q, 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	Q, 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	Q, 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	Q, U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	Q, U
218-01-9	Chrysene		1.20	2.40	4.81	Q, U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	Q, U
132-64-9	Dibenzofuran		1.20	2.40	4.81	Q, U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	Q, U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	X, Q, U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	Q, 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	Y, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	Q, U

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05	File ID:	0213705.D
Sampled:	02/17/12 11:07	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 00:11
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		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.57	1.20	2.40	4.81	Q
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	Q, U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	Q, 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	1.66	1.20	2.40	4.81	J
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	Q, 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	Y, U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	Y, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	Y, 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	Q, 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	Q, U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	23.04	47.9	50 - 110	*
2-Fluorophenol	96.15	28.47	29.6	20 - 110	
Nitrobenzene-d5	48.08	30.46	63.4	40 - 110	Y
Phenol-d6	96.15	17.50	18.2	0 - 110	
Terphenyl-d14	48.08	56.20	117	50 - 135	
2,4,6-Tribromophenol	96.15	102.1	106	40 - 125	X

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07	File ID:	0213707D.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 00:41
Solids:		Preparation:	EXT_3510	Dilution:	2

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

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		2.50	5.00	10.0	Q, U
208-96-8	Acenaphthylene		2.50	5.00	10.0	Q, U
98-86-2	Acetophenone		2.50	5.00	10.0	U
120-12-7	Anthracene		2.50	5.00	10.0	Q, U
1912-24-9	Atrazine		2.50	5.00	10.0	U
100-52-7	Benzaldehyde		2.50	5.00	10.0	U
92-87-5	Benzidine		25.0	50.0	100	X, U
56-55-3	Benzo(a)anthracene		2.50	5.00	10.0	Q, U
50-32-8	Benzo(a)pyrene		2.50	5.00	10.0	Q, U
205-99-2	Benzo(b)fluoranthene		2.50	5.00	10.0	Q, U
191-24-2	Benzo(g,h,i)perylene		2.50	5.00	10.0	U
65-85-0	Benzoic acid		25.0	50.0	100	Y, U
207-08-9	Benzo(k)fluoranthene		2.50	5.00	10.0	Q, U
92-52-4	1,1-Biphenyl		2.50	5.00	10.0	U
101-55-3	4-Bromophenyl-phenylether		2.50	5.00	10.0	Q, U
85-68-7	Butylbenzylphthalate		2.50	5.00	10.0	Q, U
105-60-2	Caprolactam		2.50	5.00	10.0	Q, U
86-74-8	Carbazole		2.50	5.00	10.0	Q, U
59-50-7	4-Chloro-3-methylphenol		2.50	5.00	10.0	U
106-47-8	4-Chloroaniline		2.50	5.00	10.0	U
111-91-1	Bis(2-chloroethoxy)methane		2.50	5.00	10.0	Q, U
111-44-4	Bis(2-chloroethyl)ether		2.50	5.00	10.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		2.50	5.00	10.0	U
91-58-7	2-Chloronaphthalene		2.50	5.00	10.0	Q, U
95-57-8	2-Chlorophenol		2.50	5.00	10.0	U
7005-72-3	4-Chlorophenyl phenyl ether		2.50	5.00	10.0	Q, U
218-01-9	Chrysene		2.50	5.00	10.0	Q, U
53-70-3	Dibenz(a,h)anthracene		2.50	5.00	10.0	Q, U
132-64-9	Dibenzofuran		2.50	5.00	10.0	Q, U
84-74-2	Di-n-butylphthalate		2.50	5.00	10.0	Q, U
91-94-1	3,3'-Dichlorobenzidine		2.50	5.00	10.0	Q, X, U
120-83-2	2,4-Dichlorophenol		2.50	5.00	10.0	Q, U
84-66-2	Diethylphthalate		2.50	5.00	10.0	U
105-67-9	2,4-Dimethylphenol		10.0	20.0	40.0	U
131-11-3	Dimethyl phthalate		2.50	5.00	10.0	U
534-52-1	4,6-Dinitro-2-methylphenol		10.0	20.0	40.0	U
51-28-5	2,4-Dinitrophenol		2.00	50.0	100	Y, U
121-14-2	2,4-Dinitrotoluene		2.50	5.00	10.0	U
606-20-2	2,6-Dinitrotoluene		2.50	5.00	10.0	U
117-84-0	Di-n-octylphthalate		2.50	5.00	10.0	Q, U

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07	File ID:	0213707D.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 00:41
Solids:		Preparation:	EXT_3510	Dilution:	2

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		2.50	5.00	10.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		2.50	5.00	10.0	Q, U
206-44-0	Fluoranthene		2.50	5.00	10.0	U
86-73-7	Fluorene		2.50	5.00	10.0	Q, U
118-74-1	Hexachlorobenzene		2.50	5.00	10.0	Q, U
87-68-3	Hexachlorobutadiene		2.50	5.00	10.0	U
77-47-4	Hexachlorocyclopentadiene		2.50	5.00	10.0	U
67-72-1	Hexachloroethane		2.50	5.00	10.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		2.50	5.00	10.0	U
78-59-1	Isophorone		2.50	5.00	10.0	U
90-12-0	1-Methylnaphthalene		2.50	5.00	10.0	U
91-57-6	2-Methylnaphthalene		2.50	5.00	10.0	Q, U
95-48-7	2-Methylphenol		2.50	5.00	10.0	U
108-39-4/106	3-Methylphenol/4-Methylphenol		2.50	5.00	10.0	U
91-20-3	Naphthalene		2.50	5.00	10.0	U
100-01-6	4-Nitroaniline		10.0	20.0	40.0	Y, U
99-09-2	3-Nitroaniline		10.0	20.0	40.0	U
88-74-4	2-Nitroaniline		10.0	20.0	40.0	Y, U
98-95-3	Nitrobenzene		2.50	5.00	10.0	U
100-02-7	4-Nitrophenol		10.0	20.0	40.0	Y, U
88-75-5	2-Nitrophenol		2.50	5.00	10.0	U
86-30-6	N-Nitrosodiphenylamine		2.50	5.00	10.0	U
621-64-7	N-Nitroso-di-n-propylamine		2.50	5.00	10.0	U
87-86-5	Pentachlorophenol		10.0	20.0	40.0	U
85-01-8	Phenanthrene		2.50	5.00	10.0	Q, U
108-95-2	Phenol		2.50	5.00	10.0	U
129-00-0	Pyrene		2.50	5.00	10.0	U
88-06-2	2,4,6-Trichlorophenol		2.50	5.00	10.0	Q, U
95-95-4	2,4,5-Trichlorophenol		2.50	5.00	10.0	Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.08	90.2	50 - 110	
2-Fluorophenol	100.0	43.58	43.6	20 - 110	
Nitrobenzene-d5	50.00	35.79	71.6	40 - 110	Y
Phenol-d6	100.0	31.59	31.6	0 - 110	
Terphenyl-d14	50.00	57.73	115	50 - 135	
2,4,6-Tribromophenol	100.0	70.01	70.0	40 - 125	X

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09	File ID:	0213709D.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 01:11
Solids:		Preparation:	EXT_3510	Dilution:	2

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

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		2.50	5.00	10.0	Q, U
208-96-8	Acenaphthylene		2.50	5.00	10.0	Q, U
98-86-2	Acetophenone		2.50	5.00	10.0	U
120-12-7	Anthracene		2.50	5.00	10.0	Q, U
1912-24-9	Atrazine		2.50	5.00	10.0	U
100-52-7	Benzaldehyde		2.50	5.00	10.0	U
92-87-5	Benzidine		25.0	50.0	100	X, U
56-55-3	Benzo(a)anthracene		2.50	5.00	10.0	Q, U
50-32-8	Benzo(a)pyrene		2.50	5.00	10.0	Q, U
205-99-2	Benzo(b)fluoranthene		2.50	5.00	10.0	Q, U
191-24-2	Benzo(g,h,i)perylene		2.50	5.00	10.0	U
65-85-0	Benzoic acid		25.0	50.0	100	Y, U
207-08-9	Benzo(k)fluoranthene		2.50	5.00	10.0	Q, U
92-52-4	1,1-Biphenyl		2.50	5.00	10.0	U
101-55-3	4-Bromophenyl-phenylether		2.50	5.00	10.0	Q, U
85-68-7	Butylbenzylphthalate		2.50	5.00	10.0	Q, U
105-60-2	Caprolactam		2.50	5.00	10.0	Q, U
86-74-8	Carbazole		2.50	5.00	10.0	Q, U
59-50-7	4-Chloro-3-methylphenol		2.50	5.00	10.0	U
106-47-8	4-Chloroaniline		2.50	5.00	10.0	U
111-91-1	Bis(2-chloroethoxy)methane		2.50	5.00	10.0	Q, U
111-44-4	Bis(2-chloroethyl)ether		2.50	5.00	10.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		2.50	5.00	10.0	U
91-58-7	2-Chloronaphthalene		2.50	5.00	10.0	Q, U
95-57-8	2-Chlorophenol		2.50	5.00	10.0	U
7005-72-3	4-Chlorophenyl phenyl ether		2.50	5.00	10.0	Q, U
218-01-9	Chrysene		2.50	5.00	10.0	Q, U
53-70-3	Dibenz(a,h)anthracene		2.50	5.00	10.0	Q, U
132-64-9	Dibenzofuran		2.50	5.00	10.0	Q, U
84-74-2	Di-n-butylphthalate		2.50	5.00	10.0	Q, U
91-94-1	3,3'-Dichlorobenzidine		2.50	5.00	10.0	Q, X, U
120-83-2	2,4-Dichlorophenol		2.50	5.00	10.0	Q, U
84-66-2	Diethylphthalate		2.50	5.00	10.0	U
105-67-9	2,4-Dimethylphenol		10.0	20.0	40.0	U
131-11-3	Dimethyl phthalate		2.50	5.00	10.0	U
534-52-1	4,6-Dinitro-2-methylphenol		10.0	20.0	40.0	U
51-28-5	2,4-Dinitrophenol		2.00	50.0	100	Y, U
121-14-2	2,4-Dinitrotoluene		2.50	5.00	10.0	U
606-20-2	2,6-Dinitrotoluene		2.50	5.00	10.0	U
117-84-0	Di-n-octylphthalate		2.50	5.00	10.0	Q, U

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09	File ID:	0213709D.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 12:00	Analyzed:	02/25/12 01:11
Solids:		Preparation:	EXT_3510	Dilution:	2

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		2.50	5.00	10.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		2.50	5.00	10.0	Q, U
206-44-0	Fluoranthene		2.50	5.00	10.0	U
86-73-7	Fluorene		2.50	5.00	10.0	Q, U
118-74-1	Hexachlorobenzene		2.50	5.00	10.0	Q, U
87-68-3	Hexachlorobutadiene		2.50	5.00	10.0	U
77-47-4	Hexachlorocyclopentadiene		2.50	5.00	10.0	U
67-72-1	Hexachloroethane		2.50	5.00	10.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		2.50	5.00	10.0	U
78-59-1	Isophorone		2.50	5.00	10.0	U
90-12-0	1-Methylnaphthalene		2.50	5.00	10.0	U
91-57-6	2-Methylnaphthalene		2.50	5.00	10.0	Q, U
95-48-7	2-Methylphenol		2.50	5.00	10.0	U
108-39-4/106	3-Methylphenol/4-Methylphenol		2.50	5.00	10.0	U
91-20-3	Naphthalene		2.50	5.00	10.0	U
100-01-6	4-Nitroaniline		10.0	20.0	40.0	Y, U
99-09-2	3-Nitroaniline		10.0	20.0	40.0	U
88-74-4	2-Nitroaniline		10.0	20.0	40.0	Y, U
98-95-3	Nitrobenzene		2.50	5.00	10.0	U
100-02-7	4-Nitrophenol		10.0	20.0	40.0	Y, U
88-75-5	2-Nitrophenol		2.50	5.00	10.0	U
86-30-6	N-Nitrosodiphenylamine		2.50	5.00	10.0	U
621-64-7	N-Nitroso-di-n-propylamine		2.50	5.00	10.0	U
87-86-5	Pentachlorophenol		10.0	20.0	40.0	U
85-01-8	Phenanthrene		2.50	5.00	10.0	Q, U
108-95-2	Phenol		2.50	5.00	10.0	U
129-00-0	Pyrene		2.50	5.00	10.0	U
88-06-2	2,4,6-Trichlorophenol		2.50	5.00	10.0	Q, U
95-95-4	2,4,5-Trichlorophenol		2.50	5.00	10.0	Q, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.05	80.1	50 - 110	
2-Fluorophenol	100.0	45.85	45.9	20 - 110	
Nitrobenzene-d5	50.00	31.39	62.8	40 - 110	Y
Phenol-d6	100.0	32.17	32.2	0 - 110	
Terphenyl-d14	50.00	48.40	96.8	50 - 135	
2,4,6-Tribromophenol	100.0	68.88	68.9	40 - 125	X

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01	File ID:	0214701.D
Sampled:	02/21/12 12:16	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 17:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	Q, 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	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	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	Y, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Y, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Y, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01	File ID:	0214701.D
Sampled:	02/21/12 12:16	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 17:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	2.48	1.23	2.45	4.90	J
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	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	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	Y, 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	Y, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	26.69	54.5	50 - 110	
2-Fluorophenol	98.04	29.66	30.3	20 - 110	
Nitrobenzene-d5	49.02	27.58	56.3	40 - 110	
Phenol-d6	98.04	15.40	15.7	0 - 110	
Terphenyl-d14	49.02	50.20	102	50 - 135	
2,4,6-Tribromophenol	98.04	62.33	63.6	40 - 125	

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03	File ID:	0214703.D
Sampled:	02/21/12 12:35	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 17:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	U
65-85-0	Benzoic acid		12.0	24.0	48.1	Q, 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	Y, 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	Y, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	Y, U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	Y, U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03	File ID:	0214703.D
Sampled:	02/21/12 12:35	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 17:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	Y, U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	Y, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	Y, U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	Y, U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	Y, U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	27.79	57.8	50 - 110	
2-Fluorophenol	96.15	27.81	28.9	20 - 110	
Nitrobenzene-d5	48.08	29.05	60.4	40 - 110	
Phenol-d6	96.15	15.33	15.9	0 - 110	
Terphenyl-d14	48.08	52.39	109	50 - 135	
2,4,6-Tribromophenol	96.15	63.90	66.5	40 - 125	

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05	File ID:	0214705.D
Sampled:	02/20/12 15:27	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	U
65-85-0	Benzoic acid		11.7	23.4	46.7	Q, U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	Q, U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	Y, U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	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	Y, U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	Y, U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	Y, U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05	File ID:	0214705.D
Sampled:	02/20/12 15:27	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 18:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	U
91-20-3	Naphthalene		1.17	2.34	4.67	U
100-01-6	4-Nitroaniline		4.67	9.35	18.7	Y, U
99-09-2	3-Nitroaniline		4.67	9.35	18.7	U
88-74-4	2-Nitroaniline		4.67	9.35	18.7	Y, U
98-95-3	Nitrobenzene		1.17	2.34	4.67	U
100-02-7	4-Nitrophenol		4.67	9.35	18.7	Y, U
88-75-5	2-Nitrophenol		1.17	2.34	4.67	U
86-30-6	N-Nitrosodiphenylamine		1.17	2.34	4.67	U
621-64-7	N-Nitroso-di-n-propylamine		1.17	2.34	4.67	Y, U
87-86-5	Pentachlorophenol		4.67	9.35	18.7	U
85-01-8	Phenanthrene		1.17	2.34	4.67	U
108-95-2	Phenol		1.17	2.34	4.67	U
129-00-0	Pyrene		1.17	2.34	4.67	U
88-06-2	2,4,6-Trichlorophenol		1.17	2.34	4.67	Y, U
95-95-4	2,4,5-Trichlorophenol		1.17	2.34	4.67	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	23.99	51.3	50 - 110	
2-Fluorophenol	93.46	26.67	28.5	20 - 110	
Nitrobenzene-d5	46.73	26.76	57.3	40 - 110	
Phenol-d6	93.46	13.53	14.5	0 - 110	
Terphenyl-d14	46.73	45.41	97.2	50 - 135	
2,4,6-Tribromophenol	93.46	69.69	74.6	40 - 125	

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07	File ID:	0214707.D
Sampled:	02/20/12 12:17	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 18:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	U
65-85-0	Benzoic acid		12.0	24.0	48.1	Q, 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	Y, 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	Y, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	Y, U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	Y, U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07	File ID:	0214707.D
Sampled:	02/20/12 12:17	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 18:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	Y, U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	Y, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	Y, U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	Y, U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	Y, U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	41.46	86.2	50 - 110	
2-Fluorophenol	96.15	40.10	41.7	20 - 110	
Nitrobenzene-d5	48.08	36.06	75.0	40 - 110	
Phenol-d6	96.15	20.51	21.3	0 - 110	
Terphenyl-d14	48.08	58.49	122	50 - 135	
2,4,6-Tribromophenol	96.15	88.08	91.6	40 - 125	

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01	File ID:	0215301.D
Sampled:	02/22/12 14:14	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 19:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	U
65-85-0	Benzoic acid		12.0	24.0	48.1	Q, 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	Y, 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	Y, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	Y, U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	Y, U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01	File ID:	0215301.D
Sampled:	02/22/12 14:14	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 19:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	Y, U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	Y, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	Y, U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	Y, U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	Y, U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	44.10	91.7	50 - 110	
2-Fluorophenol	96.15	41.64	43.3	20 - 110	
Nitrobenzene-d5	48.08	40.96	85.2	40 - 110	
Phenol-d6	96.15	21.68	22.5	0 - 110	
Terphenyl-d14	48.08	51.03	106	50 - 135	
2,4,6-Tribromophenol	96.15	86.09	89.5	40 - 125	

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03	File ID:	0215303.D
Sampled:	02/22/12 11:27	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 19:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	Q, 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	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	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	Y, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Y, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Y, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03	File ID:	0215303.D
Sampled:	02/22/12 11:27	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 19:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	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	Y, 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	Y, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	41.69	85.1	50 - 110	
2-Fluorophenol	98.04	29.44	30.0	20 - 110	
Nitrobenzene-d5	49.02	39.41	80.4	40 - 110	
Phenol-d6	98.04	18.62	19.0	0 - 110	
Terphenyl-d14	49.02	46.54	95.0	50 - 135	
2,4,6-Tribromophenol	98.04	66.80	68.1	40 - 125	

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05	File ID:	0215305.D
Sampled:	02/21/12 15:11	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 20:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	1640	1.20	2.40	4.81	E
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	U
65-85-0	Benzoic acid		12.0	24.0	48.1	Q, 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	Y, 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	Y, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	Y, U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	Y, U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05	File ID:	0215305.D
Sampled:	02/21/12 15:11	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 20:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	25.6	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	35.8	1.20	2.40	4.81	
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	96.1	1.20	2.40	4.81	
100-01-6	4-Nitroaniline		4.81	9.62	19.2	Y, U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	Y, U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	Y, U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	Y, U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	Y, U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	20.37	42.4	50 - 110	*
2-Fluorophenol	96.15	21.77	22.6	20 - 110	
Nitrobenzene-d5	48.08	44.06	91.7	40 - 110	
Phenol-d6	96.15	117.4	122	0 - 110	*
Terphenyl-d14	48.08	36.02	74.9	50 - 135	
2,4,6-Tribromophenol	96.15	76.02	79.1	40 - 125	

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05RE1	File ID:	0215305D.D
Sampled:	02/21/12 15:11	Prepared:	02/23/12 13:24	Analyzed:	02/28/12 21:59
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2B23003 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		60.1	120	240	U
208-96-8	Acenaphthylene		60.1	120	240	U
98-86-2	Acetophenone	2650	60.1	120	240	D
120-12-7	Anthracene		60.1	120	240	U
1912-24-9	Atrazine		60.1	120	240	U
100-52-7	Benzaldehyde		60.1	120	240	U
92-87-5	Benzidine		601	1200	2400	U
56-55-3	Benzo(a)anthracene		60.1	120	240	U
50-32-8	Benzo(a)pyrene		60.1	120	240	U
205-99-2	Benzo(b)fluoranthene		60.1	120	240	U
191-24-2	Benzo(g,h,i)perylene		60.1	120	240	U
65-85-0	Benzoic acid		601	1200	2400	Q, U
207-08-9	Benzo(k)fluoranthene		60.1	120	240	U
92-52-4	1,1-Biphenyl		60.1	120	240	U
101-55-3	4-Bromophenyl-phenylether		60.1	120	240	U
85-68-7	Butylbenzylphthalate		60.1	120	240	U
105-60-2	Caprolactam		60.1	120	240	Q, U
86-74-8	Carbazole		60.1	120	240	U
59-50-7	4-Chloro-3-methylphenol		60.1	120	240	U
106-47-8	4-Chloroaniline		60.1	120	240	U
111-91-1	Bis(2-chloroethoxy)methane		60.1	120	240	U
111-44-4	Bis(2-chloroethyl)ether		60.1	120	240	U
108-60-1	2,2'-Oxybis-1-chloropropane		60.1	120	240	U
91-58-7	2-Chloronaphthalene		60.1	120	240	U
95-57-8	2-Chlorophenol		60.1	120	240	U
7005-72-3	4-Chlorophenyl phenyl ether		60.1	120	240	U
218-01-9	Chrysene		60.1	120	240	U
53-70-3	Dibenz(a,h)anthracene		60.1	120	240	U
132-64-9	Dibenzofuran		60.1	120	240	U
84-74-2	Di-n-butylphthalate		60.1	120	240	U
91-94-1	3,3'-Dichlorobenzidine		60.1	120	240	U
120-83-2	2,4-Dichlorophenol		60.1	120	240	U
84-66-2	Diethylphthalate		60.1	120	240	U
105-67-9	2,4-Dimethylphenol		240	481	962	U
131-11-3	Dimethyl phthalate		60.1	120	240	U
534-52-1	4,6-Dinitro-2-methylphenol		240	481	962	U
51-28-5	2,4-Dinitrophenol		48.1	1200	2400	U
121-14-2	2,4-Dinitrotoluene		60.1	120	240	U
606-20-2	2,6-Dinitrotoluene		60.1	120	240	U
117-84-0	Di-n-octylphthalate		60.1	120	240	U

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05RE1	File ID:	0215305D.D
Sampled:	02/21/12 15:11	Prepared:	02/23/12 13:24	Analyzed:	02/28/12 21:59
Solids:		Preparation:	EXT_3510	Dilution:	50

Batch: 2B23003 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		60.1	120	240	U
117-81-7	Bis(2-ethylhexyl)phthalate		60.1	120	240	U
206-44-0	Fluoranthene		60.1	120	240	U
86-73-7	Fluorene		60.1	120	240	U
118-74-1	Hexachlorobenzene		60.1	120	240	U
87-68-3	Hexachlorobutadiene		60.1	120	240	U
77-47-4	Hexachlorocyclopentadiene		60.1	120	240	U
67-72-1	Hexachloroethane		60.1	120	240	U
193-39-5	Indeno(1,2,3-cd)pyrene		60.1	120	240	U
78-59-1	Isophorone		60.1	120	240	U
90-12-0	1-Methylnaphthalene		60.1	120	240	U
91-57-6	2-Methylnaphthalene		60.1	120	240	U
95-48-7	2-Methylphenol		60.1	120	240	U
108-39-4/106	3-Methylphenol/4-Methylphenol		60.1	120	240	U
91-20-3	Naphthalene	102	60.1	120	240	J, D
100-01-6	4-Nitroaniline		240	481	962	U
99-09-2	3-Nitroaniline		240	481	962	U
88-74-4	2-Nitroaniline		240	481	962	U
98-95-3	Nitrobenzene		60.1	120	240	U
100-02-7	4-Nitrophenol		240	481	962	U
88-75-5	2-Nitrophenol		60.1	120	240	U
86-30-6	N-Nitrosodiphenylamine		60.1	120	240	U
621-64-7	N-Nitroso-di-n-propylamine		60.1	120	240	U
87-86-5	Pentachlorophenol		240	481	962	U
85-01-8	Phenanthrene		60.1	120	240	U
108-95-2	Phenol		60.1	120	240	U
129-00-0	Pyrene		60.1	120	240	U
88-06-2	2,4,6-Trichlorophenol		60.1	120	240	U
95-95-4	2,4,5-Trichlorophenol		60.1	120	240	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	48.69	101	50 - 110	D
2-Fluorophenol	96.15	0.000		20 - 110	DU
Nitrobenzene-d5	48.08	0.000		40 - 110	DU
Phenol-d6	96.15	52.22	54.3	0 - 110	D
Terphenyl-d14	48.08	0.000		50 - 135	DU
2,4,6-Tribromophenol	96.15	87.71	91.2	40 - 125	D

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07	File ID:	0215307.D
Sampled:	02/22/12 10:23	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 20:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	51.3	1.23	2.45	4.90	
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	Q, 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	Y, U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	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	Y, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	Y, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	Y, U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07	File ID:	0215307.D
Sampled:	02/22/12 10:23	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 20:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	19.5	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	14.9	1.23	2.45	4.90	
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	39.0	1.23	2.45	4.90	
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	Y, 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	Y, U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	25.08	51.2	50 - 110	
2-Fluorophenol	98.04	11.11	11.3	20 - 110	*
Nitrobenzene-d5	49.02	14.26	29.1	40 - 110	*
Phenol-d6	98.04	13.11	13.4	0 - 110	
Terphenyl-d14	49.02	36.78	75.0	50 - 135	
2,4,6-Tribromophenol	98.04	80.43	82.0	40 - 125	

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09	File ID:	0215309.D
Sampled:	02/21/12 15:41	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 21:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	Q, 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	Y, U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	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	Y, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Y, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	Y, U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09	File ID:	0215309.D
Sampled:	02/21/12 15:41	Prepared:	02/23/12 13:24	Analyzed:	02/25/12 21:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23003 Sequence: 2B05915 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	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	Y, U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Y, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.31	80.6	50 - 110	
2-Fluorophenol	100.0	48.47	48.5	20 - 110	
Nitrobenzene-d5	50.00	35.15	70.3	40 - 110	
Phenol-d6	100.0	28.96	29.0	0 - 110	
Terphenyl-d14	50.00	53.82	108	50 - 135	
2,4,6-Tribromophenol	100.0	93.30	93.3	40 - 125	

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01	File ID:	0215901.D
Sampled:	02/22/12 15:47	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 13:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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

GW0399

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01	File ID:	0215901.D
Sampled:	02/22/12 15:47	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 13:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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	41.70	83.4	50 - 110	
2-Fluorophenol	100.0	26.15	26.2	20 - 110	
Nitrobenzene-d5	50.00	39.02	78.0	40 - 110	
Phenol-d6	100.0	16.75	16.7	0 - 110	
Terphenyl-d14	50.00	49.00	98.0	50 - 135	
2,4,6-Tribromophenol	100.0	71.36	71.4	40 - 125	

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03	File ID:	0215903D.D
Sampled:	02/23/12 12:32	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 14:25
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.5	25.0	50.0	U
208-96-8	Acenaphthylene		12.5	25.0	50.0	U
98-86-2	Acetophenone	4430	12.5	25.0	50.0	D, E
120-12-7	Anthracene		12.5	25.0	50.0	U
1912-24-9	Atrazine		12.5	25.0	50.0	U
100-52-7	Benzaldehyde		12.5	25.0	50.0	U
92-87-5	Benzidine		125	250	500	U
56-55-3	Benzo(a)anthracene		12.5	25.0	50.0	U
50-32-8	Benzo(a)pyrene		12.5	25.0	50.0	U
205-99-2	Benzo(b)fluoranthene		12.5	25.0	50.0	U
191-24-2	Benzo(g,h,i)perylene		12.5	25.0	50.0	U
65-85-0	Benzoic acid		125	250	500	U
207-08-9	Benzo(k)fluoranthene		12.5	25.0	50.0	U
92-52-4	1,1-Biphenyl		12.5	25.0	50.0	U
101-55-3	4-Bromophenyl-phenylether		12.5	25.0	50.0	U
85-68-7	Butylbenzylphthalate		12.5	25.0	50.0	U
105-60-2	Caprolactam		12.5	25.0	50.0	Q, U
86-74-8	Carbazole		12.5	25.0	50.0	U
59-50-7	4-Chloro-3-methylphenol		12.5	25.0	50.0	U
106-47-8	4-Chloroaniline		12.5	25.0	50.0	U
111-91-1	Bis(2-chloroethoxy)methane		12.5	25.0	50.0	U
111-44-4	Bis(2-chloroethyl)ether		12.5	25.0	50.0	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.5	25.0	50.0	U
91-58-7	2-Chloronaphthalene		12.5	25.0	50.0	U
95-57-8	2-Chlorophenol		12.5	25.0	50.0	U
7005-72-3	4-Chlorophenyl phenyl ether		12.5	25.0	50.0	U
218-01-9	Chrysene		12.5	25.0	50.0	U
53-70-3	Dibenz(a,h)anthracene		12.5	25.0	50.0	U
132-64-9	Dibenzofuran		12.5	25.0	50.0	U
84-74-2	Di-n-butylphthalate		12.5	25.0	50.0	U
91-94-1	3,3'-Dichlorobenzidine		12.5	25.0	50.0	U
120-83-2	2,4-Dichlorophenol		12.5	25.0	50.0	U
84-66-2	Diethylphthalate		12.5	25.0	50.0	U
105-67-9	2,4-Dimethylphenol		50.0	100	200	U
131-11-3	Dimethyl phthalate		12.5	25.0	50.0	U
534-52-1	4,6-Dinitro-2-methylphenol		50.0	100	200	U
51-28-5	2,4-Dinitrophenol		10.0	250	500	U
121-14-2	2,4-Dinitrotoluene		12.5	25.0	50.0	U
606-20-2	2,6-Dinitrotoluene		12.5	25.0	50.0	U
117-84-0	Di-n-octylphthalate		12.5	25.0	50.0	U

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03	File ID:	0215903D.D
Sampled:	02/23/12 12:32	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 14:25
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.5	25.0	50.0	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.5	25.0	50.0	U
206-44-0	Fluoranthene		12.5	25.0	50.0	U
86-73-7	Fluorene		12.5	25.0	50.0	U
118-74-1	Hexachlorobenzene		12.5	25.0	50.0	U
87-68-3	Hexachlorobutadiene		12.5	25.0	50.0	U
77-47-4	Hexachlorocyclopentadiene		12.5	25.0	50.0	U
67-72-1	Hexachloroethane		12.5	25.0	50.0	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.5	25.0	50.0	U
78-59-1	Isophorone		12.5	25.0	50.0	U
90-12-0	1-Methylnaphthalene	59.7	12.5	25.0	50.0	D
91-57-6	2-Methylnaphthalene	72.3	12.5	25.0	50.0	D
95-48-7	2-Methylphenol		12.5	25.0	50.0	U
108-39-4/106	3-Methylphenol/4-Methylphenol		12.5	25.0	50.0	U
91-20-3	Naphthalene	110	12.5	25.0	50.0	D
100-01-6	4-Nitroaniline		50.0	100	200	U
99-09-2	3-Nitroaniline		50.0	100	200	U
88-74-4	2-Nitroaniline		50.0	100	200	U
98-95-3	Nitrobenzene		12.5	25.0	50.0	U
100-02-7	4-Nitrophenol		50.0	100	200	U
88-75-5	2-Nitrophenol		12.5	25.0	50.0	U
86-30-6	N-Nitrosodiphenylamine		12.5	25.0	50.0	U
621-64-7	N-Nitroso-di-n-propylamine		12.5	25.0	50.0	U
87-86-5	Pentachlorophenol		50.0	100	200	U
85-01-8	Phenanthrene		12.5	25.0	50.0	U
108-95-2	Phenol		12.5	25.0	50.0	U
129-00-0	Pyrene		12.5	25.0	50.0	U
88-06-2	2,4,6-Trichlorophenol		12.5	25.0	50.0	U
95-95-4	2,4,5-Trichlorophenol		12.5	25.0	50.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.03	92.1	50 - 110	
2-Fluorophenol	100.0	23.40	23.4	20 - 110	
Nitrobenzene-d5	50.00	52.77	106	40 - 110	
Phenol-d6	100.0	49.03	49.0	0 - 110	
Terphenyl-d14	50.00	46.13	92.3	50 - 135	
2,4,6-Tribromophenol	100.0	106.6	107	40 - 125	

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03RE1	File ID:	215903D.D
Sampled:	02/23/12 12:32	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 22:30
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		125	250	500	U
208-96-8	Acenaphthylene		125	250	500	U
98-86-2	Acetophenone	5010	125	250	500	D
120-12-7	Anthracene		125	250	500	U
1912-24-9	Atrazine		125	250	500	U
100-52-7	Benzaldehyde		125	250	500	U
92-87-5	Benzidine		1250	2500	5000	U
56-55-3	Benzo(a)anthracene		125	250	500	U
50-32-8	Benzo(a)pyrene		125	250	500	U
205-99-2	Benzo(b)fluoranthene		125	250	500	U
191-24-2	Benzo(g,h,i)perylene		125	250	500	U
65-85-0	Benzoic acid		1250	2500	5000	U
207-08-9	Benzo(k)fluoranthene		125	250	500	U
92-52-4	1,1-Biphenyl		125	250	500	U
101-55-3	4-Bromophenyl-phenylether		125	250	500	U
85-68-7	Butylbenzylphthalate		125	250	500	U
105-60-2	Caprolactam		125	250	500	Q, U
86-74-8	Carbazole		125	250	500	U
59-50-7	4-Chloro-3-methylphenol		125	250	500	U
106-47-8	4-Chloroaniline		125	250	500	U
111-91-1	Bis(2-chloroethoxy)methane		125	250	500	U
111-44-4	Bis(2-chloroethyl)ether		125	250	500	U
108-60-1	2,2'-Oxybis-1-chloropropane		125	250	500	U
91-58-7	2-Chloronaphthalene		125	250	500	U
95-57-8	2-Chlorophenol		125	250	500	U
7005-72-3	4-Chlorophenyl phenyl ether		125	250	500	U
218-01-9	Chrysene		125	250	500	U
53-70-3	Dibenz(a,h)anthracene		125	250	500	U
132-64-9	Dibenzofuran		125	250	500	U
84-74-2	Di-n-butylphthalate		125	250	500	U
91-94-1	3,3'-Dichlorobenzidine		125	250	500	U
120-83-2	2,4-Dichlorophenol		125	250	500	U
84-66-2	Diethylphthalate		125	250	500	U
105-67-9	2,4-Dimethylphenol		500	1000	2000	U
131-11-3	Dimethyl phthalate		125	250	500	U
534-52-1	4,6-Dinitro-2-methylphenol		500	1000	2000	U
51-28-5	2,4-Dinitrophenol		100	2500	5000	U
121-14-2	2,4-Dinitrotoluene		125	250	500	U
606-20-2	2,6-Dinitrotoluene		125	250	500	U
117-84-0	Di-n-octylphthalate		125	250	500	U

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03RE1	File ID:	215903D.D
Sampled:	02/23/12 12:32	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 22:30
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		125	250	500	U
117-81-7	Bis(2-ethylhexyl)phthalate		125	250	500	U
206-44-0	Fluoranthene		125	250	500	U
86-73-7	Fluorene		125	250	500	U
118-74-1	Hexachlorobenzene		125	250	500	U
87-68-3	Hexachlorobutadiene		125	250	500	U
77-47-4	Hexachlorocyclopentadiene		125	250	500	U
67-72-1	Hexachloroethane		125	250	500	U
193-39-5	Indeno(1,2,3-cd)pyrene		125	250	500	U
78-59-1	Isophorone		125	250	500	U
90-12-0	1-Methylnaphthalene		125	250	500	U
91-57-6	2-Methylnaphthalene		125	250	500	U
95-48-7	2-Methylphenol		125	250	500	U
108-39-4/106	3-Methylphenol/4-Methylphenol		125	250	500	U
91-20-3	Naphthalene	148	125	250	500	J, D
100-01-6	4-Nitroaniline		500	1000	2000	U
99-09-2	3-Nitroaniline		500	1000	2000	U
88-74-4	2-Nitroaniline		500	1000	2000	U
98-95-3	Nitrobenzene		125	250	500	U
100-02-7	4-Nitrophenol		500	1000	2000	U
88-75-5	2-Nitrophenol		125	250	500	U
86-30-6	N-Nitrosodiphenylamine		125	250	500	U
621-64-7	N-Nitroso-di-n-propylamine		125	250	500	U
87-86-5	Pentachlorophenol		500	1000	2000	U
85-01-8	Phenanthrene		125	250	500	U
108-95-2	Phenol		125	250	500	U
129-00-0	Pyrene		125	250	500	U
88-06-2	2,4,6-Trichlorophenol		125	250	500	U
95-95-4	2,4,5-Trichlorophenol		125	250	500	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	0.000		50 - 110	DU
2-Fluorophenol	100.0	0.000		20 - 110	DU
Nitrobenzene-d5	50.00	0.000		40 - 110	DU
Phenol-d6	100.0	0.000		0 - 110	DU
Terphenyl-d14	50.00	0.000		50 - 135	DU
2,4,6-Tribromophenol	100.0	0.000		40 - 125	DU

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05	File ID:	0215905.D
Sampled:	02/23/12 09:32	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 14:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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	N, 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

GW0439

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05	File ID:	0215905.D
Sampled:	02/23/12 09:32	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 14:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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	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	35.97	73.4	50 - 110	
2-Fluorophenol	98.04	23.20	23.7	20 - 110	
Nitrobenzene-d5	49.02	31.67	64.6	40 - 110	
Phenol-d6	98.04	13.66	13.9	0 - 110	
Terphenyl-d14	49.02	45.77	93.4	50 - 135	
2,4,6-Tribromophenol	98.04	81.89	83.5	40 - 125	

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07	File ID:	0215907.D
Sampled:	02/23/12 10:15	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 16:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	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

GW0455

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07	File ID:	0215907.D
Sampled:	02/23/12 10:15	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 16:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	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	37.70	79.9	50 - 110	
2-Fluorophenol	94.34	26.89	28.5	20 - 110	
Nitrobenzene-d5	47.17	35.16	74.5	40 - 110	
Phenol-d6	94.34	14.78	15.7	0 - 110	
Terphenyl-d14	47.17	47.39	100	50 - 135	
2,4,6-Tribromophenol	94.34	89.64	95.0	40 - 125	

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09	File ID:	0215909.D
Sampled:	02/23/12 14:05	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 16:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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	U
65-85-0	Benzoic acid		11.8	23.6	47.2	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	Q, U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	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

GW0456

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09	File ID:	0215909.D
Sampled:	02/23/12 14:05	Prepared:	02/27/12 09:18	Analyzed:	02/28/12 16:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B27002 Sequence: 2B06048 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		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	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	38.31	81.2	50 - 110	
2-Fluorophenol	94.34	25.92	27.5	20 - 110	
Nitrobenzene-d5	47.17	32.13	68.1	40 - 110	
Phenol-d6	94.34	15.35	16.3	0 - 110	
Terphenyl-d14	47.17	44.44	94.2	50 - 135	
2,4,6-Tribromophenol	94.34	73.52	77.9	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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	*
GW0389 (1202137-01) ug/L				Lab File ID: 0213701.D		Analyzed: 02/24/12 23:12		
2-Fluorobiphenyl	47.17	68.8	50 - 110	8.789	8.77	0.0190	+/-0.500	
2-Fluorophenol	94.34	22.7	20 - 110	4.318	4.117	0.2010	+/-0.500	
Nitrobenzene-d5	47.17	39.5	40 - 110	6.514	6.451	0.0630	+/-0.500	*
Phenol-d6	94.34	48.1	0 - 110	5.504	5.313	0.1910	+/-0.500	
Terphenyl-d14	47.17	78.9	50 - 135	13.565	13.572	-0.0070	+/-0.500	
2,4,6-Tribromophenol	94.34	96.2	40 - 125	10.622	10.607	0.0150	+/-0.500	
GW0390 (1202137-03) ug/L				Lab File ID: 0213703.D		Analyzed: 02/24/12 23:41		
2-Fluorobiphenyl	49.02	61.1	50 - 110	8.795	8.77	0.0250	+/-0.500	
2-Fluorophenol	98.04	22.2	20 - 110	4.324	4.117	0.2070	+/-0.500	
Nitrobenzene-d5	49.02	40.7	40 - 110	6.519	6.451	0.0680	+/-0.500	
Phenol-d6	98.04	57.9	0 - 110	5.51	5.313	0.1970	+/-0.500	
Terphenyl-d14	49.02	90.0	50 - 135	13.571	13.572	-0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	119	40 - 125	10.638	10.607	0.0310	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0444 (1202137-05) ug/L				Lab File ID: 0213705.D		Analyzed: 02/25/12 00:11		
2-Fluorobiphenyl	48.08	47.9	50 - 110	8.77	8.77	0.0000	+/-0.500	*
2-Fluorophenol	96.15	29.6	20 - 110	4.159	4.117	0.0420	+/-0.500	
Nitrobenzene-d5	48.08	63.4	40 - 110	6.446	6.451	-0.0050	+/-0.500	
Phenol-d6	96.15	18.2	0 - 110	5.335	5.313	0.0220	+/-0.500	
Terphenyl-d14	48.08	117	50 - 135	13.572	13.572	0.0000	+/-0.500	
2,4,6-Tribromophenol	96.15	106	40 - 125	10.607	10.607	0.0000	+/-0.500	
GW0449 (1202137-07) ug/L				Lab File ID: 0213707D.D		Analyzed: 02/25/12 00:41		
2-Fluorobiphenyl	50.00	90.2	50 - 110	8.756	8.77	-0.0140	+/-0.500	
2-Fluorophenol	100.0	43.6	20 - 110	4.114	4.117	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	71.6	40 - 110	6.438	6.451	-0.0130	+/-0.500	
Phenol-d6	100.0	31.6	0 - 110	5.294	5.313	-0.0190	+/-0.500	
Terphenyl-d14	50.00	115	50 - 135	13.564	13.572	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	70.0	40 - 125	10.589	10.607	-0.0180	+/-0.500	
GW0450 (1202137-09) ug/L				Lab File ID: 0213709D.D		Analyzed: 02/25/12 01:11		
2-Fluorobiphenyl	50.00	80.1	50 - 110	8.759	8.77	-0.0110	+/-0.500	
2-Fluorophenol	100.0	45.9	20 - 110	4.117	4.117	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	62.8	40 - 110	6.44	6.451	-0.0110	+/-0.500	
Phenol-d6	100.0	32.2	0 - 110	5.303	5.313	-0.0100	+/-0.500	
Terphenyl-d14	50.00	96.8	50 - 135	13.567	13.572	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	68.9	40 - 125	10.597	10.607	-0.0100	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05915-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/25/12 14:49		
2-Fluorobiphenyl	50.00	90.4	80 - 120	8.175	8.175	0.0000	+/-0.500	
2-Fluorophenol	100.0	107	80 - 120	3.563	3.563	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	85.1	80 - 120	5.863	5.863	0.0000	+/-0.500	
Phenol-d6	100.0	98.9	80 - 120	4.736	4.736	0.0000	+/-0.500	
Terphenyl-d14	50.00	95.8	80 - 120	12.754	12.754	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	96.8	80 - 120	9.962	9.962	0.0000	+/-0.500	
Blank (2B23003-BLK1) ug/L				Lab File ID: B23003B1.D		Analyzed: 02/25/12 15:50		
2-Fluorobiphenyl	50.00	55.8	50 - 110	8.163	8.175	-0.0120	+/-0.500	
2-Fluorophenol	100.0	29.7	20 - 110	3.554	3.563	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	56.3	40 - 110	5.854	5.863	-0.0090	+/-0.500	
Phenol-d6	100.0	15.5	0 - 110	4.709	4.736	-0.0270	+/-0.500	
Terphenyl-d14	50.00	90.2	50 - 135	12.74	12.754	-0.0140	+/-0.500	
2,4,6-Tribromophenol	100.0	58.8	40 - 125	9.942	9.962	-0.0200	+/-0.500	
LCS (2B23003-BS1) ug/L				Lab File ID: B23003L1.D		Analyzed: 02/25/12 16:20		
2-Fluorobiphenyl	50.00	87.7	50 - 110	8.172	8.175	-0.0030	+/-0.500	
2-Fluorophenol	100.0	49.0	20 - 110	3.562	3.563	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	84.8	40 - 110	5.861	5.863	-0.0020	+/-0.500	
Phenol-d6	100.0	25.8	0 - 110	4.726	4.736	-0.0100	+/-0.500	
Terphenyl-d14	50.00	107	50 - 135	12.752	12.754	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	94.5	40 - 125	9.963	9.962	0.0010	+/-0.500	
LCS Dup (2B23003-BSD1) ug/L				Lab File ID: B23003L2.D		Analyzed: 02/25/12 16:50		
2-Fluorobiphenyl	50.00	92.6	50 - 110	8.179	8.175	0.0040	+/-0.500	
2-Fluorophenol	100.0	46.5	20 - 110	3.562	3.563	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	85.0	40 - 110	5.871	5.863	0.0080	+/-0.500	
Phenol-d6	100.0	24.2	0 - 110	4.727	4.736	-0.0090	+/-0.500	
Terphenyl-d14	50.00	102	50 - 135	12.753	12.754	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	93.1	40 - 125	9.967	9.962	0.0050	+/-0.500	
GW0451 (1202147-01) ug/L				Lab File ID: 0214701.D		Analyzed: 02/25/12 17:20		
2-Fluorobiphenyl	49.02	54.5	50 - 110	8.161	8.175	-0.0140	+/-0.500	
2-Fluorophenol	98.04	30.3	20 - 110	3.55	3.563	-0.0130	+/-0.500	
Nitrobenzene-d5	49.02	56.3	40 - 110	5.852	5.863	-0.0110	+/-0.500	
Phenol-d6	98.04	15.7	0 - 110	4.706	4.736	-0.0300	+/-0.500	
Terphenyl-d14	49.02	102	50 - 135	12.743	12.754	-0.0110	+/-0.500	
2,4,6-Tribromophenol	98.04	63.6	40 - 125	9.952	9.962	-0.0100	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0464 (1202147-03) ug/L				Lab File ID: 0214703.D		Analyzed: 02/25/12 17:51		
2-Fluorobiphenyl	48.08	57.8	50 - 110	8.165	8.175	-0.0100	+/-0.500	
2-Fluorophenol	96.15	28.9	20 - 110	3.553	3.563	-0.0100	+/-0.500	
Nitrobenzene-d5	48.08	60.4	40 - 110	5.851	5.863	-0.0120	+/-0.500	
Phenol-d6	96.15	15.9	0 - 110	4.706	4.736	-0.0300	+/-0.500	
Terphenyl-d14	48.08	109	50 - 135	12.748	12.754	-0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	66.5	40 - 125	9.954	9.962	-0.0080	+/-0.500	
GW0476 (1202147-05) ug/L				Lab File ID: 0214705.D		Analyzed: 02/25/12 18:21		
2-Fluorobiphenyl	46.73	51.3	50 - 110	8.171	8.175	-0.0040	+/-0.500	
2-Fluorophenol	93.46	28.5	20 - 110	3.566	3.563	0.0030	+/-0.500	
Nitrobenzene-d5	46.73	57.3	40 - 110	5.854	5.863	-0.0090	+/-0.500	
Phenol-d6	93.46	14.5	0 - 110	4.721	4.736	-0.0150	+/-0.500	
Terphenyl-d14	46.73	97.2	50 - 135	12.743	12.754	-0.0110	+/-0.500	
2,4,6-Tribromophenol	93.46	74.6	40 - 125	9.957	9.962	-0.0050	+/-0.500	
GW0478 (1202147-07) ug/L				Lab File ID: 0214707.D		Analyzed: 02/25/12 18:51		
2-Fluorobiphenyl	48.08	86.2	50 - 110	8.169	8.175	-0.0060	+/-0.500	
2-Fluorophenol	96.15	41.7	20 - 110	3.554	3.563	-0.0090	+/-0.500	
Nitrobenzene-d5	48.08	75.0	40 - 110	5.853	5.863	-0.0100	+/-0.500	
Phenol-d6	96.15	21.3	0 - 110	4.709	4.736	-0.0270	+/-0.500	
Terphenyl-d14	48.08	122	50 - 135	12.745	12.754	-0.0090	+/-0.500	
2,4,6-Tribromophenol	96.15	91.6	40 - 125	9.948	9.962	-0.0140	+/-0.500	
GW0440 (1202153-01) ug/L				Lab File ID: 0215301.D		Analyzed: 02/25/12 19:22		
2-Fluorobiphenyl	48.08	91.7	50 - 110	8.169	8.175	-0.0060	+/-0.500	
2-Fluorophenol	96.15	43.3	20 - 110	3.553	3.563	-0.0100	+/-0.500	
Nitrobenzene-d5	48.08	85.2	40 - 110	5.851	5.863	-0.0120	+/-0.500	
Phenol-d6	96.15	22.5	0 - 110	4.706	4.736	-0.0300	+/-0.500	
Terphenyl-d14	48.08	106	50 - 135	12.745	12.754	-0.0090	+/-0.500	
2,4,6-Tribromophenol	96.15	89.5	40 - 125	9.949	9.962	-0.0130	+/-0.500	
GW0457 (1202153-03) ug/L				Lab File ID: 0215303.D		Analyzed: 02/25/12 19:52		
2-Fluorobiphenyl	49.02	85.1	50 - 110	8.167	8.175	-0.0080	+/-0.500	
2-Fluorophenol	98.04	30.0	20 - 110	3.552	3.563	-0.0110	+/-0.500	
Nitrobenzene-d5	49.02	80.4	40 - 110	5.854	5.863	-0.0090	+/-0.500	
Phenol-d6	98.04	19.0	0 - 110	4.707	4.736	-0.0290	+/-0.500	
Terphenyl-d14	49.02	95.0	50 - 135	12.742	12.754	-0.0120	+/-0.500	
2,4,6-Tribromophenol	98.04	68.1	40 - 125	9.944	9.962	-0.0180	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0462 (1202153-05) ug/L				Lab File ID: 0215305.D		Analyzed: 02/25/12 20:23		
2-Fluorobiphenyl	48.08	42.4	50 - 110	8.218	8.175	0.0430	+/-0.500	*
2-Fluorophenol	96.15	22.6	20 - 110	3.72	3.563	0.1570	+/-0.500	
Nitrobenzene-d5	48.08	91.7	40 - 110	5.961	5.863	0.0980	+/-0.500	
Phenol-d6	96.15	122	0 - 110	5.127	4.736	0.3910	+/-0.500	*
Terphenyl-d14	48.08	74.9	50 - 135	12.758	12.754	0.0040	+/-0.500	
2,4,6-Tribromophenol	96.15	79.1	40 - 125	10.026	9.962	0.0640	+/-0.500	
GW0463 (1202153-07) ug/L				Lab File ID: 0215307.D		Analyzed: 02/25/12 20:53		
2-Fluorobiphenyl	49.02	51.2	50 - 110	8.175	8.175	0.0000	+/-0.500	
2-Fluorophenol	98.04	11.3	20 - 110	3.552	3.563	-0.0110	+/-0.500	*
Nitrobenzene-d5	49.02	29.1	40 - 110	5.847	5.863	-0.0160	+/-0.500	*
Phenol-d6	98.04	13.4	0 - 110	4.761	4.736	0.0250	+/-0.500	
Terphenyl-d14	49.02	75.0	50 - 135	12.74	12.754	-0.0140	+/-0.500	
2,4,6-Tribromophenol	98.04	82.0	40 - 125	9.977	9.962	0.0150	+/-0.500	
GW0477 (1202153-09) ug/L				Lab File ID: 0215309.D		Analyzed: 02/25/12 21:24		
2-Fluorobiphenyl	50.00	80.6	50 - 110	8.167	8.175	-0.0080	+/-0.500	
2-Fluorophenol	100.0	48.5	20 - 110	3.651	3.563	0.0880	+/-0.500	
Nitrobenzene-d5	50.00	70.3	40 - 110	5.863	5.863	0.0000	+/-0.500	
Phenol-d6	100.0	29.0	0 - 110	4.763	4.736	0.0270	+/-0.500	
Terphenyl-d14	50.00	108	50 - 135	12.749	12.754	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	93.3	40 - 125	9.962	9.962	0.0000	+/-0.500	
GW0389 (1202137-01RE1) ug/L				Lab File ID: 0213701D.D		Analyzed: 02/25/12 22:25		
2-Fluorobiphenyl	47.17		50 - 110		8.175	-8.1750	+/-0.500	*
2-Fluorophenol	94.34		20 - 110		3.563	-3.5630	+/-0.500	*
Nitrobenzene-d5	47.17		40 - 110		5.863	-5.8630	+/-0.500	*
Phenol-d6	94.34		0 - 110		4.736	-4.7360	+/-0.500	*
Terphenyl-d14	47.17		50 - 135		12.754	-12.7540	+/-0.500	*
2,4,6-Tribromophenol	94.34		40 - 125		9.962	-9.9620	+/-0.500	*
GW0390 (1202137-03RE1) ug/L				Lab File ID: 0213703D.D		Analyzed: 02/25/12 22:55		
2-Fluorobiphenyl	49.02		50 - 110		8.175	-8.1750	+/-0.500	*
2-Fluorophenol	98.04		20 - 110		3.563	-3.5630	+/-0.500	*
Nitrobenzene-d5	49.02		40 - 110		5.863	-5.8630	+/-0.500	*
Phenol-d6	98.04		0 - 110		4.736	-4.7360	+/-0.500	*
Terphenyl-d14	49.02		50 - 135		12.754	-12.7540	+/-0.500	*
2,4,6-Tribromophenol	98.04		40 - 125		9.962	-9.9620	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06048	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B06048-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 02/28/12 11:52		
2-Fluorobiphenyl	50.00	99.8	80 - 120	8.137	8.137	0.0000	+/-0.500	
2-Fluorophenol	100.0	99.4	80 - 120	3.526	3.526	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	89.0	80 - 120	5.829	5.829	0.0000	+/-0.500	
Phenol-d6	100.0	104	80 - 120	4.709	4.709	0.0000	+/-0.500	
Terphenyl-d14	50.00	101	80 - 120	12.706	12.706	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	112	80 - 120	9.923	9.923	0.0000	+/-0.500	
Blank (2B27002-BLK1) ug/L				Lab File ID: B27002B1.D		Analyzed: 02/28/12 12:53		
2-Fluorobiphenyl	50.00	94.2	50 - 110	8.132	8.137	-0.0050	+/-0.500	
2-Fluorophenol	100.0	42.7	20 - 110	3.523	3.526	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	85.2	40 - 110	5.814	5.829	-0.0150	+/-0.500	
Phenol-d6	100.0	22.9	0 - 110	4.674	4.709	-0.0350	+/-0.500	
Terphenyl-d14	50.00	111	50 - 135	12.713	12.706	0.0070	+/-0.500	
2,4,6-Tribromophenol	100.0	101	40 - 125	9.917	9.923	-0.0060	+/-0.500	
LCS (2B27002-BS1) ug/L				Lab File ID: B27002L1.D		Analyzed: 02/28/12 13:24		
2-Fluorobiphenyl	50.00	76.9	50 - 110	8.139	8.137	0.0020	+/-0.500	
2-Fluorophenol	100.0	32.4	20 - 110	3.528	3.526	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	65.9	40 - 110	5.82	5.829	-0.0090	+/-0.500	
Phenol-d6	100.0	16.8	0 - 110	4.682	4.709	-0.0270	+/-0.500	
Terphenyl-d14	50.00	96.5	50 - 135	12.71	12.706	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	89.2	40 - 125	9.925	9.923	0.0020	+/-0.500	
GW0399 (1202159-01) ug/L				Lab File ID: 0215901.D		Analyzed: 02/28/12 13:54		
2-Fluorobiphenyl	50.00	83.4	50 - 110	8.136	8.137	-0.0010	+/-0.500	
2-Fluorophenol	100.0	26.2	20 - 110	3.518	3.526	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	78.0	40 - 110	5.817	5.829	-0.0120	+/-0.500	
Phenol-d6	100.0	16.7	0 - 110	4.672	4.709	-0.0370	+/-0.500	
Terphenyl-d14	50.00	98.0	50 - 135	12.709	12.706	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	71.4	40 - 125	9.912	9.923	-0.0110	+/-0.500	
GW0438 (1202159-03) ug/L				Lab File ID: 0215903D.D		Analyzed: 02/28/12 14:25		
2-Fluorobiphenyl	50.00	92.1	50 - 110	8.136	8.137	-0.0010	+/-0.500	
2-Fluorophenol	100.0	23.4	20 - 110	3.58	3.526	0.0540	+/-0.500	
Nitrobenzene-d5	50.00	106	40 - 110	5.832	5.829	0.0030	+/-0.500	
Phenol-d6	100.0	49.0	0 - 110	4.743	4.709	0.0340	+/-0.500	
Terphenyl-d14	50.00	92.3	50 - 135	12.698	12.706	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	107	40 - 125	9.925	9.923	0.0020	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06048	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0439 (1202159-05) ug/L				Lab File ID: 0215905.D		Analyzed: 02/28/12 14:55		
2-Fluorobiphenyl	49.02	73.4	50 - 110	8.135	8.137	-0.0020	+/-0.500	
2-Fluorophenol	98.04	23.7	20 - 110	3.528	3.526	0.0020	+/-0.500	
Nitrobenzene-d5	49.02	64.6	40 - 110	5.817	5.829	-0.0120	+/-0.500	
Phenol-d6	98.04	13.9	0 - 110	4.682	4.709	-0.0270	+/-0.500	
Terphenyl-d14	49.02	93.4	50 - 135	12.709	12.706	0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	83.5	40 - 125	9.921	9.923	-0.0020	+/-0.500	
Matrix Spike (2B27002-MS1) ug/L				Lab File ID: 0215905M.D		Analyzed: 02/28/12 15:25		
2-Fluorobiphenyl	49.02	86.5	50 - 110	8.145	8.137	0.0080	+/-0.500	
2-Fluorophenol	98.04	40.8	20 - 110	3.529	3.526	0.0030	+/-0.500	
Nitrobenzene-d5	49.02	71.4	40 - 110	5.834	5.829	0.0050	+/-0.500	
Phenol-d6	98.04	29.7	0 - 110	4.694	4.709	-0.0150	+/-0.500	
Terphenyl-d14	49.02	104	50 - 135	12.713	12.706	0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	74.3	40 - 125	9.923	9.923	0.0000	+/-0.500	
Matrix Spike Dup (2B27002-MSD1) ug/L				Lab File ID: 0215905S.D		Analyzed: 02/28/12 15:55		
2-Fluorobiphenyl	49.02	84.6	50 - 110	8.142	8.137	0.0050	+/-0.500	
2-Fluorophenol	98.04	29.9	20 - 110	3.529	3.526	0.0030	+/-0.500	
Nitrobenzene-d5	49.02	72.4	40 - 110	5.823	5.829	-0.0060	+/-0.500	
Phenol-d6	98.04	23.7	0 - 110	4.694	4.709	-0.0150	+/-0.500	
Terphenyl-d14	49.02	108	50 - 135	12.709	12.706	0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	63.6	40 - 125	9.92	9.923	-0.0030	+/-0.500	
GW0455 (1202159-07) ug/L				Lab File ID: 0215907.D		Analyzed: 02/28/12 16:26		
2-Fluorobiphenyl	47.17	79.9	50 - 110	8.135	8.137	-0.0020	+/-0.500	
2-Fluorophenol	94.34	28.5	20 - 110	3.53	3.526	0.0040	+/-0.500	
Nitrobenzene-d5	47.17	74.5	40 - 110	5.816	5.829	-0.0130	+/-0.500	
Phenol-d6	94.34	15.7	0 - 110	4.678	4.709	-0.0310	+/-0.500	
Terphenyl-d14	47.17	100	50 - 135	12.713	12.706	0.0070	+/-0.500	
2,4,6-Tribromophenol	94.34	95.0	40 - 125	9.923	9.923	0.0000	+/-0.500	
GW0456 (1202159-09) ug/L				Lab File ID: 0215909.D		Analyzed: 02/28/12 16:56		
2-Fluorobiphenyl	47.17	81.2	50 - 110	8.137	8.137	0.0000	+/-0.500	
2-Fluorophenol	94.34	27.5	20 - 110	3.527	3.526	0.0010	+/-0.500	
Nitrobenzene-d5	47.17	68.1	40 - 110	5.817	5.829	-0.0120	+/-0.500	
Phenol-d6	94.34	16.3	0 - 110	4.682	4.709	-0.0270	+/-0.500	
Terphenyl-d14	47.17	94.2	50 - 135	12.714	12.706	0.0080	+/-0.500	
2,4,6-Tribromophenol	94.34	77.9	40 - 125	9.915	9.923	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06048	Instrument:	MS-BNA1
		Calibration:	2049001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0462 (1202153-05RE1) ug/L				Lab File ID: 0215305D.D		Analyzed: 02/28/12 21:59		
2-Fluorobiphenyl	48.08	101	50 - 110	8.133	8.137	-0.0040	+/-0.500	
2-Fluorophenol	96.15		20 - 110		3.526	-3.5260	+/-0.500	*
Nitrobenzene-d5	48.08		40 - 110		5.829	-5.8290	+/-0.500	*
Phenol-d6	96.15	54.3	0 - 110	4.737	4.709	0.0280	+/-0.500	
Terphenyl-d14	48.08		50 - 135		12.706	-12.7060	+/-0.500	*
2,4,6-Tribromophenol	96.15	91.2	40 - 125	9.916	9.923	-0.0070	+/-0.500	
GW0438 (1202159-03RE1) ug/L				Lab File ID: 215903D.D		Analyzed: 02/28/12 22:30		
2-Fluorobiphenyl	50.00		50 - 110		8.137	-8.1370	+/-0.500	*
2-Fluorophenol	100.0		20 - 110		3.526	-3.5260	+/-0.500	*
Nitrobenzene-d5	50.00		40 - 110		5.829	-5.8290	+/-0.500	*
Phenol-d6	100.0		0 - 110		4.709	-4.7090	+/-0.500	*
Terphenyl-d14	50.00		50 - 135		12.706	-12.7060	+/-0.500	*
2,4,6-Tribromophenol	100.0		40 - 125		9.923	-9.9230	+/-0.500	*

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23003	Laboratory ID:	2B23003-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	44.80	89.6	45 - 110
Acenaphthylene	50.00	45.24	90.5	50 - 105
Acetophenone	50.00	39.01	78.0	50 - 110
Anthracene	50.00	53.46	107	55 - 110
Atrazine	50.00	42.89	85.8	70 - 115
Benzaldehyde	50.00	34.20	68.4	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	45.69	91.4	55 - 110
Benzo(a)pyrene	50.00	51.37	103	55 - 110
Benzo(b)fluoranthene	50.00	53.43	107	45 - 120
Benzo(g,h,i)perylene	50.00	52.90	106	40 - 125
Benzoic acid	99.70	22.80	22.9	0 - 125
Benzo(k)fluoranthene	50.00	50.38	101	45 - 125
1,1-Biphenyl	50.00	41.61	83.2	50 - 110
4-Bromophenyl-phenylether	50.00	47.70	95.4	50 - 115
Butylbenzylphthalate	50.00	52.43	105	45 - 115
Caprolactam	**50.00**	**8.534**	**17.1**	**20 - 110**
Carbazole	49.90	49.89	100	50 - 115
4-Chloro-3-methylphenol	99.70	91.77	92.0	45 - 110
4-Chloroaniline	49.90	42.73	85.6	15 - 110
Bis(2-chloroethoxy)methane	50.00	46.20	92.4	45 - 105
Bis(2-chloroethyl)ether	50.00	38.75	77.5	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	29.36	58.7	25 - 130
2-Chloronaphthalene	50.00	40.54	81.1	50 - 105
2-Chlorophenol	99.70	74.82	75.0	35 - 105
4-Chlorophenyl phenyl ether	50.00	45.00	90.0	50 - 110
Chrysene	50.00	50.66	101	55 - 110
Dibenz(a,h)anthracene	50.00	53.37	107	40 - 125
Dibenzofuran	50.00	45.73	91.5	55 - 105
Di-n-butylphthalate	50.00	53.99	108	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23003	Laboratory ID:	2B23003-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	40.41	80.8	20 - 110
2,4-Dichlorophenol	99.70	93.69	94.0	40 - 110
Diethylphthalate	50.00	40.69	81.4	40 - 120
2,4-Dimethylphenol	99.70	91.97	92.2	30 - 110
Dimethyl phthalate	50.00	49.35	98.7	25 - 125
4,6-Dinitro-2-methylphenol	99.70	94.16	94.4	40 - 130
2,4-Dinitrophenol	99.70	80.29	80.5	15 - 140
2,4-Dinitrotoluene	50.00	37.65	75.3	50 - 120
2,6-Dinitrotoluene	50.00	40.41	80.8	50 - 115
Di-n-octylphthalate	50.00	55.85	112	35 - 135
1,2-Diphenylhydrazine	49.90	46.15	92.5	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	52.97	106	40 - 125
Fluoranthene	50.00	49.52	99.0	55 - 115
Fluorene	50.00	45.07	90.1	50 - 110
Hexachlorobenzene	50.00	44.51	89.0	50 - 110
Hexachlorobutadiene	50.00	23.05	46.1	25 - 105
Hexachlorocyclopentadiene	50.00	27.16	54.3	10 - 110
Hexachloroethane	50.00	21.08	42.2	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	52.04	104	45 - 125
Isophorone	50.00	38.93	77.9	50 - 110
1-Methylnaphthalene	50.00	43.17	86.3	30 - 115
2-Methylnaphthalene	50.00	43.98	88.0	45 - 105
2-Methylphenol	99.70	70.49	70.7	40 - 110
3-Methylphenol/4-Methylphenol	99.70	61.96	62.1	30 - 110
Naphthalene	50.00	38.36	76.7	40 - 100
4-Nitroaniline	49.90	40.23	80.6	35 - 120
3-Nitroaniline	49.90	35.03	70.2	20 - 125
2-Nitroaniline	49.90	37.62	75.4	50 - 115
Nitrobenzene	50.00	37.45	74.9	30 - 110
4-Nitrophenol	99.70	27.64	27.7	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23003	Laboratory ID:	2B23003-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	99.70	86.58	86.8	40 - 115
N-Nitrosodiphenylamine	50.00	43.98	88.0	50 - 110
N-Nitroso-di-n-propylamine	50.00	40.68	81.4	35 - 130
Pentachlorophenol	99.70	96.72	97.0	40 - 115
Phenanthrene	50.00	54.40	109	50 - 115
Phenol	99.70	24.58	24.7	0 - 115
Pyrene	50.00	54.45	109	50 - 130
2,4,6-Trichlorophenol	99.70	84.01	84.3	50 - 115
2,4,5-Trichlorophenol	99.70	90.53	90.8	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	43.00	86.0	4.11	30	45 - 110
Acenaphthylene	50.00	45.76	91.5	1.14	30	50 - 105
Acetophenone	50.00	43.07	86.1	9.91	30	50 - 110
Anthracene	50.00	54.49	109	1.92	30	55 - 110
Atrazine	50.00	39.60	79.2	7.99	30	70 - 115
Benzaldehyde	50.00	37.28	74.6	8.62	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	50.00	45.91	91.8	0.499	30	55 - 110
Benzo(a)pyrene	50.00	51.75	104	0.745	30	55 - 110
Benzo(b)fluoranthene	50.00	55.47	111	3.74	30	45 - 120
Benzo(g,h,i)perylene	50.00	50.52	101	4.60	30	40 - 125
Benzoic acid	99.70	14.46	14.5	44.8 *	30	0 - 125
Benzo(k)fluoranthene	50.00	50.05	100	0.660	30	45 - 125
1,1-Biphenyl	50.00	37.14	74.3	11.4	30	50 - 110
4-Bromophenyl-phenylether	50.00	44.79	89.6	6.28	30	50 - 115
Butylbenzylphthalate	50.00	50.53	101	3.68	30	45 - 115
Caprolactam	**50.00**	**7.044**	**14.1 ***	**19.1**	**30**	**20 - 110**
Carbazole	49.90	47.17	94.5	5.60	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23003	Laboratory ID:	2B23003-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	99.70	92.90	93.2	1.22	30	45 - 110
4-Chloroaniline	49.90	46.80	93.8	9.08	30	15 - 110
Bis(2-chloroethoxy)methane	50.00	48.12	96.2	4.08	30	45 - 105
Bis(2-chloroethyl)ether	50.00	42.08	84.2	8.26	30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	30.32	60.6	3.19	30	25 - 130
2-Chloronaphthalene	50.00	36.56	73.1	10.3	30	50 - 105
2-Chlorophenol	99.70	77.88	78.1	4.01	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	43.30	86.6	3.85	30	50 - 110
Chrysene	50.00	49.51	99.0	2.30	30	55 - 110
Dibenz(a,h)anthracene	50.00	51.35	103	3.85	30	40 - 125
Dibenzofuran	50.00	42.43	84.9	7.50	30	55 - 105
Di-n-butylphthalate	50.00	54.47	109	0.891	30	55 - 115
3,3'-Dichlorobenzidine	50.00	40.97	81.9	1.38	30	20 - 110
2,4-Dichlorophenol	99.70	93.07	93.4	0.665	30	40 - 110
Diethylphthalate	50.00	42.16	84.3	3.57	30	40 - 120
2,4-Dimethylphenol	99.70	86.23	86.5	6.44	30	30 - 110
Dimethyl phthalate	50.00	49.12	98.2	0.472	30	25 - 125
4,6-Dinitro-2-methylphenol	99.70	89.54	89.8	5.03	30	40 - 130
2,4-Dinitrophenol	99.70	75.21	75.4	6.54	30	15 - 140
2,4-Dinitrotoluene	50.00	36.94	73.9	1.92	30	50 - 120
2,6-Dinitrotoluene	50.00	34.92	69.8	14.6	30	50 - 115
Di-n-octylphthalate	50.00	57.41	115	2.76	30	35 - 135
1,2-Diphenylhydrazine	49.90	43.95	88.1	4.89	30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	50.88	102	4.02	30	40 - 125
Fluoranthene	50.00	49.10	98.2	0.858	30	55 - 115
Fluorene	50.00	43.98	88.0	2.45	30	50 - 110
Hexachlorobenzene	50.00	43.09	86.2	3.24	30	50 - 110
Hexachlorobutadiene	50.00	24.24	48.5	5.04	30	25 - 105
Hexachlorocyclopentadiene	50.00	30.39	60.8	11.2	30	10 - 110
Hexachloroethane	50.00	23.05	46.1	8.95	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23003	Laboratory ID:	2B23003-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	50.00	49.70	99.4	4.60	30	45 - 125
Isophorone	50.00	39.47	78.9	1.39	30	50 - 110
1-Methylnaphthalene	50.00	47.59	95.2	9.73	30	30 - 115
2-Methylnaphthalene	50.00	45.98	92.0	4.45	30	45 - 105
2-Methylphenol	99.70	69.68	69.9	1.15	30	40 - 110
3-Methylphenol/4-Methylphenol	99.70	60.12	60.3	3.02	30	30 - 110
Naphthalene	50.00	43.18	86.4	11.8	30	40 - 100
4-Nitroaniline	49.90	38.52	77.2	4.34	30	35 - 120
3-Nitroaniline	49.90	33.78	67.7	3.66	30	20 - 125
2-Nitroaniline	49.90	35.88	71.9	4.75	30	50 - 115
Nitrobenzene	50.00	37.86	75.7	1.10	30	30 - 110
4-Nitrophenol	99.70	24.39	24.5	12.5	30	0 - 125
2-Nitrophenol	99.70	92.73	93.0	6.86	30	40 - 115
N-Nitrosodiphenylamine	50.00	45.81	91.6	4.06	30	50 - 110
N-Nitroso-di-n-propylamine	50.00	41.20	82.4	1.26	30	35 - 130
Pentachlorophenol	99.70	89.22	89.5	8.06	30	40 - 115
Phenanthrene	50.00	52.56	105	3.43	30	50 - 115
Phenol	99.70	23.89	24.0	2.87	30	0 - 115
Pyrene	50.00	52.55	105	3.56	30	50 - 130
2,4,6-Trichlorophenol	99.70	81.51	81.8	3.03	30	50 - 115
2,4,5-Trichlorophenol	99.70	87.24	87.5	3.70	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27002	Laboratory ID:	2B27002-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	37.54	75.1	45 - 110
Acenaphthylene	50.00	38.35	76.7	50 - 105
Acetophenone	50.00	31.87	63.7	50 - 110
Anthracene	50.00	45.97	91.9	55 - 110
Atrazine	50.00	38.70	77.4	70 - 115
Benzaldehyde	50.00	29.89	59.8	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	42.35	84.7	55 - 110
Benzo(a)pyrene	50.00	43.02	86.0	55 - 110
Benzo(b)fluoranthene	50.00	43.00	86.0	45 - 120
Benzo(g,h,i)perylene	50.00	41.59	83.2	40 - 125
Benzoic acid	98.00	14.48	14.8	0 - 125
Benzo(k)fluoranthene	50.00	47.11	94.2	45 - 125
1,1-Biphenyl	50.00	35.44	70.9	50 - 110
4-Bromophenyl-phenylether	50.00	41.78	83.6	50 - 115
Butylbenzylphthalate	50.00	43.85	87.7	45 - 115
Caprolactam	**50.00**	**4.860**	**9.72**	**20 - 110**
Carbazole	49.00	44.60	91.0	50 - 115
4-Chloro-3-methylphenol	98.00	69.85	71.3	45 - 110
4-Chloroaniline	49.00	30.74	62.7	15 - 110
Bis(2-chloroethoxy)methane	50.00	36.39	72.8	45 - 105
Bis(2-chloroethyl)ether	50.00	32.89	65.8	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	32.48	65.0	25 - 130
2-Chloronaphthalene	50.00	33.96	67.9	50 - 105
2-Chlorophenol	98.00	56.89	58.1	35 - 105
4-Chlorophenyl phenyl ether	50.00	44.82	89.6	50 - 110
Chrysene	50.00	44.69	89.4	55 - 110
Dibenz(a,h)anthracene	50.00	43.74	87.5	40 - 125
Dibenzofuran	50.00	40.99	82.0	55 - 105
Di-n-butylphthalate	50.00	47.98	96.0	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27002	Laboratory ID:	2B27002-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	37.47	74.9	20 - 110
2,4-Dichlorophenol	98.00	71.07	72.5	40 - 110
Diethylphthalate	50.00	43.51	87.0	40 - 120
2,4-Dimethylphenol	98.00	65.09	66.4	30 - 110
Dimethyl phthalate	50.00	45.25	90.5	25 - 125
4,6-Dinitro-2-methylphenol	98.00	90.84	92.7	40 - 130
2,4-Dinitrophenol	98.00	85.26	87.0	15 - 140
2,4-Dinitrotoluene	50.00	42.71	85.4	50 - 120
2,6-Dinitrotoluene	50.00	38.89	77.8	50 - 115
Di-n-octylphthalate	50.00	44.89	89.8	35 - 135
1,2-Diphenylhydrazine	49.00	35.63	72.7	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	43.77	87.5	40 - 125
Fluoranthene	50.00	46.97	93.9	55 - 115
Fluorene	50.00	40.24	80.5	50 - 110
Hexachlorobenzene	50.00	43.33	86.7	50 - 110
Hexachlorobutadiene	50.00	26.54	53.1	25 - 105
Hexachlorocyclopentadiene	50.00	31.73	63.5	10 - 110
Hexachloroethane	50.00	20.91	41.8	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	40.91	81.8	45 - 125
Isophorone	50.00	31.61	63.2	50 - 110
1-Methylnaphthalene	50.00	35.69	71.4	30 - 115
2-Methylnaphthalene	50.00	35.10	70.2	45 - 105
2-Methylphenol	98.00	51.74	52.8	40 - 110
3-Methylphenol/4-Methylphenol	98.00	42.92	43.8	30 - 110
Naphthalene	50.00	33.25	66.5	40 - 100
4-Nitroaniline	49.00	40.16	82.0	35 - 120
3-Nitroaniline	49.00	33.08	67.5	20 - 125
2-Nitroaniline	49.00	37.72	77.0	50 - 115
Nitrobenzene	50.00	31.65	63.3	30 - 110
4-Nitrophenol	98.00	21.73	22.2	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27002	Laboratory ID:	2B27002-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	69.91	71.3	40 - 115
N-Nitrosodiphenylamine	50.00	36.19	72.4	50 - 110
N-Nitroso-di-n-propylamine	50.00	34.31	68.6	35 - 130
Pentachlorophenol	98.00	92.43	94.3	40 - 115
Phenanthrene	50.00	48.23	96.5	50 - 115
Phenol	98.00	16.30	16.6	0 - 115
Pyrene	50.00	44.46	88.9	50 - 130
2,4,6-Trichlorophenol	98.00	76.19	77.7	50 - 115
2,4,5-Trichlorophenol	98.00	83.14	84.8	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27002

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	49.02	ND	41.07	83.8		45 - 110
Acenaphthylene	49.02	ND	43.24	88.2		50 - 105
Acetophenone	49.02	ND	37.52	76.5		50 - 110
Anthracene	49.02	ND	45.65	93.1		55 - 110
Atrazine	49.02	ND	40.53	82.7		70 - 115
Benzaldehyde	49.02	ND	32.32	65.9		10 - 180
Benzidine	49.02	ND	49.0 U	0		0 - 200
Benzo(a)anthracene	49.02	ND	44.66	91.1		55 - 110
Benzo(a)pyrene	49.02	ND	44.71	91.2		55 - 110
Benzo(b)fluoranthene	49.02	ND	50.01	102		45 - 120
Benzo(g,h,i)perylene	49.02	ND	40.65	82.9		40 - 125
Benzoic acid	96.08	ND	49.0 U	0		0 - 125
Benzo(k)fluoranthene	49.02	ND	44.89	91.6		45 - 125
1,1-Biphenyl	49.02	ND	36.61	74.7		50 - 110
4-Bromophenyl-phenylether	49.02	ND	44.70	91.2		50 - 115
Butylbenzylphthalate	49.02	ND	48.57	99.1		45 - 115
Caprolactam	49.02	ND	9.814	20.0		20 - 110
Carbazole	48.04	ND	41.86	87.1		50 - 115
4-Chloro-3-methylphenol	96.08	ND	79.61	82.9		45 - 110
4-Chloroaniline	48.04	ND	36.52	76.0		15 - 110
Bis(2-chloroethoxy)methane	49.02	ND	40.05	81.7		45 - 105
Bis(2-chloroethyl)ether	49.02	ND	37.19	75.9		35 - 110
2,2'-Oxybis-1-chloropropane	49.02	ND	32.73	66.8		25 - 130
2-Chloronaphthalene	49.02	ND	35.88	73.2		50 - 105
2-Chlorophenol	96.08	ND	61.95	64.5		35 - 105
4-Chlorophenyl phenyl ether	49.02	ND	48.16	98.2		50 - 110
Chrysene	49.02	ND	46.29	94.4		55 - 110
Dibenz(a,h)anthracene	49.02	ND	42.41	86.5		40 - 125
Dibenzofuran	49.02	ND	45.68	93.2		55 - 105
Di-n-butylphthalate	49.02	ND	45.93	93.7		55 - 115
3,3'-Dichlorobenzidine	49.02	ND	40.03	81.7		20 - 110
2,4-Dichlorophenol	96.08	ND	68.35	71.1		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27002

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	49.02	ND	39.73	81.0		40 - 120
2,4-Dimethylphenol	96.08	ND	76.72	79.8		30 - 110
Dimethyl phthalate	49.02	ND	48.24	98.4		25 - 125
4,6-Dinitro-2-methylphenol	96.08	ND	57.28	59.6		40 - 130
2,4-Dinitrophenol	96.08	ND	46.09	48.0		15 - 140
2,4-Dinitrotoluene	49.02	ND	40.59	82.8		50 - 120
2,6-Dinitrotoluene	49.02	ND	41.01	83.7		50 - 115
Di-n-octylphthalate	49.02	ND	50.73	103		35 - 135
1,2-Diphenylhydrazine	48.04	ND	39.30	81.8		55 - 115
Bis(2-ethylhexyl)phthalate	49.02	ND	47.27	96.4		40 - 125
Fluoranthene	49.02	ND	42.68	87.1		55 - 115
Fluorene	49.02	ND	42.96	87.6		50 - 110
Hexachlorobenzene	49.02	ND	43.96	89.7		50 - 110
Hexachlorobutadiene	49.02	ND	26.24	53.5		25 - 105
Hexachlorocyclopentadiene	49.02	ND	34.67	70.7		10 - 110
Hexachloroethane	49.02	ND	21.77	44.4		30 - 95
Indeno(1,2,3-cd)pyrene	49.02	ND	39.99	81.6		45 - 125
Isophorone	49.02	ND	34.08	69.5		50 - 110
1-Methylnaphthalene	49.02	ND	38.78	79.1		30 - 115
2-Methylnaphthalene	49.02	ND	38.65	78.8		45 - 105
2-Methylphenol	96.08	ND	69.72	72.6		40 - 110
3-Methylphenol/4-Methylphenol	96.08	ND	59.64	62.1		30 - 110
Naphthalene	49.02	ND	35.40	72.2		40 - 100
4-Nitroaniline	48.04	ND	41.32	86.0		35 - 120
3-Nitroaniline	48.04	ND	39.37	81.9		20 - 125
2-Nitroaniline	48.04	ND	40.26	83.8		50 - 115
Nitrobenzene	49.02	ND	34.10	69.6		30 - 110
4-Nitrophenol	96.08	ND	20.96	21.8		0 - 125
2-Nitrophenol	96.08	ND	64.86	67.5		40 - 115
N-Nitrosodiphenylamine	49.02	ND	38.47	78.5		50 - 110
N-Nitroso-di-n-propylamine	49.02	ND	39.33	80.2		35 - 130
Pentachlorophenol	96.08	ND	66.39	69.1		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27002

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	49.02	ND	45.79	93.4		50 - 115
Phenol	96.08	ND	29.60	30.8		0 - 115
Pyrene	49.02	ND	47.69	97.3		50 - 130
2,4,6-Trichlorophenol	96.08	ND	64.33	67.0		50 - 115
2,4,5-Trichlorophenol	96.08	ND	75.48	78.6		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27002

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.02	39.26	80.1	4.51		30	45 - 110
Acenaphthylene	49.02	41.31	84.3	4.56		30	50 - 105
Acetophenone	49.02	34.97	71.3	7.02		30	50 - 110
Anthracene	49.02	45.09	92.0	1.23		30	55 - 110
Atrazine	49.02	40.88	83.4	0.864		30	70 - 115
Benzaldehyde	49.02	32.46	66.2	0.431		30	10 - 180
Benzidine	49.02	49.0 U	0			30	0 - 200
Benzo(a)anthracene	49.02	43.51	88.8	2.61		30	55 - 110
Benzo(a)pyrene	49.02	44.01	89.8	1.57		30	55 - 110
Benzo(b)fluoranthene	49.02	45.89	93.6	8.59		30	45 - 120
Benzo(g,h,i)perylene	49.02	41.44	84.5	1.93		30	40 - 125
Benzoic acid	96.08	49.0 U	0			30	0 - 125
Benzo(k)fluoranthene	49.02	44.99	91.8	0.208		30	45 - 125
1,1-Biphenyl	49.02	36.79	75.0	0.485		30	50 - 110
4-Bromophenyl-phenylether	49.02	45.18	92.2	1.09		30	50 - 115
Butylbenzylphthalate	49.02	48.96	99.9	0.789		30	45 - 115
Caprolactam	49.02	9.725	19.8	0.912	*	30	20 - 110
Carbazole	48.04	40.99	85.3	2.11		30	50 - 115
4-Chloro-3-methylphenol	96.08	77.49	80.7	2.70		30	45 - 110
4-Chloroaniline	48.04	38.31	79.7	4.77		30	15 - 110
Bis(2-chloroethoxy)methane	49.02	40.42	82.5	0.915		30	45 - 105
Bis(2-chloroethyl)ether	49.02	36.40	74.3	2.13		30	35 - 110
2,2'-Oxybis-1-chloropropane	49.02	33.44	68.2	2.15		30	25 - 130
2-Chloronaphthalene	49.02	35.81	73.1	0.192		30	50 - 105
2-Chlorophenol	96.08	47.02	48.9	27.4		30	35 - 105
4-Chlorophenyl phenyl ether	49.02	44.76	91.3	7.31		30	50 - 110
Chrysene	49.02	46.20	94.3	0.184		30	55 - 110
Dibenz(a,h)anthracene	49.02	41.71	85.1	1.68		30	40 - 125
Dibenzofuran	49.02	42.46	86.6	7.31		30	55 - 105
Di-n-butylphthalate	49.02	48.09	98.1	4.59		30	55 - 115
3,3'-Dichlorobenzidine	49.02	39.14	79.9	2.24		30	20 - 110
2,4-Dichlorophenol	96.08	56.28	58.6	19.4		30	40 - 110
Diethylphthalate	49.02	41.31	84.3	3.90		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27002

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	96.08	73.09	76.1	4.84		30	30 - 110
Dimethyl phthalate	49.02	45.40	92.6	6.06		30	25 - 125
4,6-Dinitro-2-methylphenol	96.08	47.26	49.2	19.2		30	40 - 130
2,4-Dinitrophenol	96.08	41.82	43.5	9.70		30	15 - 140
2,4-Dinitrotoluene	49.02	39.81	81.2	1.94		30	50 - 120
2,6-Dinitrotoluene	49.02	39.33	80.2	4.20		30	50 - 115
Di-n-octylphthalate	49.02	47.81	97.5	5.94		30	35 - 135
1,2-Diphenylhydrazine	48.04	37.79	78.7	3.93		30	55 - 115
Bis(2-ethylhexyl)phthalate	49.02	46.86	95.6	0.873		30	40 - 125
Fluoranthene	49.02	44.92	91.6	5.11		30	55 - 115
Fluorene	49.02	42.88	87.5	0.201		30	50 - 110
Hexachlorobenzene	49.02	42.78	87.3	2.73		30	50 - 110
Hexachlorobutadiene	49.02	29.55	60.3	11.8		30	25 - 105
Hexachlorocyclopentadiene	49.02	35.09	71.6	1.21		30	10 - 110
Hexachloroethane	49.02	23.89	48.7	9.31		30	30 - 95
Indeno(1,2,3-cd)pyrene	49.02	40.77	83.2	1.93		30	45 - 125
Isophorone	49.02	34.94	71.3	2.48		30	50 - 110
1-Methylnaphthalene	49.02	39.74	81.1	2.44		30	30 - 115
2-Methylnaphthalene	49.02	38.86	79.3	0.545		30	45 - 105
2-Methylphenol	96.08	65.23	67.9	6.65		30	40 - 110
3-Methylphenol/4-Methylphenol	96.08	58.53	60.9	1.88		30	30 - 110
Naphthalene	49.02	36.16	73.8	2.13		30	40 - 100
4-Nitroaniline	48.04	38.70	80.6	6.55		30	35 - 120
3-Nitroaniline	48.04	38.49	80.1	2.25		30	20 - 125
2-Nitroaniline	48.04	38.15	79.4	5.37		30	50 - 115
Nitrobenzene	49.02	34.03	69.4	0.204		30	30 - 110
4-Nitrophenol	96.08	17.11	17.8	20.2		30	0 - 125
2-Nitrophenol	96.08	48.18	50.1	29.5		30	40 - 115
N-Nitrosodiphenylamine	49.02	40.69	83.0	5.59		30	50 - 110
N-Nitroso-di-n-propylamine	49.02	38.44	78.4	2.30		30	35 - 130
Pentachlorophenol	96.08	53.98	56.2	20.6		30	40 - 115
Phenanthrene	49.02	46.11	94.1	0.685		30	50 - 115
Phenol	96.08	22.44	23.4	27.5		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27002

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	49.02	46.61	95.1	2.29		30	50 - 130
2,4,6-Trichlorophenol	96.08	48.60	50.6	27.9		30	50 - 115
2,4,5-Trichlorophenol	96.08	57.17	59.5	27.6		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01	02/21/12 12:00	1,060.00	1.00
GW0389	1202137-01RE1	02/21/12 12:00	1,060.00	1.00
GW0390	1202137-03	02/21/12 12:00	1,020.00	1.00
GW0390	1202137-03RE1	02/21/12 12:00	1,020.00	1.00
GW0444	1202137-05	02/21/12 12:00	1,040.00	1.00
GW0449	1202137-07	02/21/12 12:00	500.00	0.50
GW0450	1202137-09	02/21/12 12:00	500.00	0.50
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

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B23003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0451	1202147-01	02/23/12 13:24	1,020.00	1.00
GW0464	1202147-03	02/23/12 13:24	1,040.00	1.00
GW0476	1202147-05	02/23/12 13:24	1,070.00	1.00
GW0478	1202147-07	02/23/12 13:24	1,040.00	1.00
GW0440	1202153-01	02/23/12 13:24	1,040.00	1.00
GW0457	1202153-03	02/23/12 13:24	1,020.00	1.00
GW0462	1202153-05	02/23/12 13:24	1,040.00	1.00
GW0462	1202153-05RE1	02/23/12 13:24	1,040.00	1.00
GW0463	1202153-07	02/23/12 13:24	1,020.00	1.00
GW0477	1202153-09	02/23/12 13:24	1,000.00	1.00
Blank	2B23003-BLK1	02/23/12 13:24	1,000.00	1.00
LCS	2B23003-BS1	02/23/12 13:24	1,000.00	1.00
LCS Dup	2B23003-BSD1	02/23/12 13:24	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B27002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0399	1202159-01	02/27/12 09:18	1,000.00	1.00
GW0438	1202159-03	02/27/12 09:18	1,000.00	1.00
GW0438	1202159-03RE1	02/27/12 09:18	1,000.00	1.00
GW0439	1202159-05	02/27/12 09:18	1,020.00	1.00
GW0455	1202159-07	02/27/12 09:18	1,060.00	1.00
GW0456	1202159-09	02/27/12 09:18	1,060.00	1.00
Blank	2B27002-BLK1	02/27/12 09:18	1,000.00	1.00
LCS	2B27002-BS1	02/27/12 09:18	1,000.00	1.00
GW0439	2B27002-MS1	02/27/12 09:18	510.00	0.50
GW0439	2B27002-MSD1	02/27/12 09:18	510.00	0.50

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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_045
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_045
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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/25/12
Instrument ID:	MS-BNA1	Injection Time:	14:25
Sequence:	2B05915	Lab Sample ID:	2B05915-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	33.9	PASS
68	Less than 2% of 69	1.02	PASS
69	Less than 200% of 198	45.3	PASS
70	Less than 2% of 69	0.612	PASS
127	40 - 60% of 198	50.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.52	PASS
275	10 - 30% of 198	21	PASS
365	1 - 200% of 198	2.36	PASS
441	0.001 - 100% of 443	77.7	PASS
442	40 - 200% of 198	88.2	PASS
443	17 - 23% of 442	18.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	02/28/12
Instrument ID:	MS-BNA1	Injection Time:	11:28
Sequence:	2B06048	Lab Sample ID:	2B06048-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	31.5	PASS
68	Less than 2% of 69	0.0756	PASS
69	Less than 200% of 198	41.7	PASS
70	Less than 2% of 69	0.396	PASS
127	40 - 60% of 198	44.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.61	PASS
275	10 - 30% of 198	21.3	PASS
365	1 - 200% of 198	2.57	PASS
441	0.001 - 100% of 443	76.9	PASS
442	40 - 200% of 198	109	PASS
443	17 - 23% of 442	19.3	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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
GW0389	1202137-01	0213701.D	02/24/12 23:12
GW0390	1202137-03	0213703.D	02/24/12 23:41
GW0444	1202137-05	0213705.D	02/25/12 00:11
GW0449	1202137-07	0213707D.D	02/25/12 00:41
GW0450	1202137-09	0213709D.D	02/25/12 01:11

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B05915-TUN1	SEQ-TUN1.D	02/25/12 14:25
Calibration Check	2B05915-CCV1	SEQ-CCV1.D	02/25/12 14:49
Calibration Check	2B05915-CCV2	SEQ-CCV2.D	02/25/12 15:19
Blank	2B23003-BLK1	B23003B1.D	02/25/12 15:50
LCS	2B23003-BS1	B23003L1.D	02/25/12 16:20
LCS Dup	2B23003-BSD1	B23003L2.D	02/25/12 16:50
GW0451	1202147-01	0214701.D	02/25/12 17:20
GW0464	1202147-03	0214703.D	02/25/12 17:51
GW0476	1202147-05	0214705.D	02/25/12 18:21
GW0478	1202147-07	0214707.D	02/25/12 18:51
GW0440	1202153-01	0215301.D	02/25/12 19:22
GW0457	1202153-03	0215303.D	02/25/12 19:52
GW0462	1202153-05	0215305.D	02/25/12 20:23
GW0463	1202153-07	0215307.D	02/25/12 20:53
GW0477	1202153-09	0215309.D	02/25/12 21:24
GW0389	1202137-01RE1	0213701D.D	02/25/12 22:25
GW0390	1202137-03RE1	0213703D.D	02/25/12 22:55

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06048	Instrument:	MS-BNA1
Calibration:	2049001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2B06048-TUN1	SEQ-TUN1.D	02/28/12 11:28
Calibration Check	2B06048-CCV1	SEQ-CCV1.D	02/28/12 11:52
Calibration Check	2B06048-CCV2	SEQ-CCV2.D	02/28/12 12:23
Blank	2B27002-BLK1	B27002B1.D	02/28/12 12:53
LCS	2B27002-BS1	B27002L1.D	02/28/12 13:24
GW0399	1202159-01	0215901.D	02/28/12 13:54
GW0438	1202159-03	0215903D.D	02/28/12 14:25
GW0439	1202159-05	0215905.D	02/28/12 14:55
GW0439	2B27002-MS1	0215905M.D	02/28/12 15:25
GW0439	2B27002-MSD1	0215905S.D	02/28/12 15:55
GW0455	1202159-07	0215907.D	02/28/12 16:26
GW0456	1202159-09	0215909.D	02/28/12 16:56
GW0462	1202153-05RE1	0215305D.D	02/28/12 21:59
GW0438	1202159-03RE1	215903D.D	02/28/12 22:30

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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	
GW0389 (1202137-01)			Lab File ID: 0213701.D			Analyzed: 02/24/12 23:12			
1,4-Dichlorobenzene-d4	780822	5.685	770937	5.671	101	50 - 200	0.0140	+/-0.50	
Naphthalene-d8	3102619	7.384	2651723	7.354	117	50 - 200	0.0300	+/-0.50	
Acenaphthene-d10	1728693	9.623	1511870	9.603	114	50 - 200	0.0200	+/-0.50	
Phenanthrene-d10	1818533	11.434	2342120	11.425	78	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1317022	15.307	1663052	15.324	79	50 - 200	-0.0170	+/-0.50	
Perylene-d12	1092198	17.978	1164096	17.99	94	50 - 200	-0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0390 (1202137-03)			Lab File ID: 0213703.D			Analyzed: 02/24/12 23:41			
1,4-Dichlorobenzene-d4	935095	5.686	770937	5.671	121	50 - 200	0.0150	+/-0.50	
Naphthalene-d8	3423818	7.39	2651723	7.354	129	50 - 200	0.0360	+/-0.50	
Acenaphthene-d10	2458317	9.629	1511870	9.603	163	50 - 200	0.0260	+/-0.50	
Phenanthrene-d10	2768528	11.445	2342120	11.425	118	50 - 200	0.0200	+/-0.50	
Chrysene-d12	1896662	15.318	1663052	15.324	114	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1394314	17.978	1164096	17.99	120	50 - 200	-0.0120	+/-0.50	
GW0444 (1202137-05)			Lab File ID: 0213705.D			Analyzed: 02/25/12 00:11			
1,4-Dichlorobenzene-d4	818889	5.671	770937	5.671	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2703793	7.349	2651723	7.354	102	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	2628739	9.603	1511870	9.603	174	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2339823	11.425	2342120	11.425	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1376651	15.314	1663052	15.324	83	50 - 200	-0.0100	+/-0.50	
Perylene-d12	842314	17.979	1164096	17.99	72	50 - 200	-0.0110	+/-0.50	
GW0449 (1202137-07)			Lab File ID: 0213707D.D			Analyzed: 02/25/12 00:41			
1,4-Dichlorobenzene-d4	900948	5.663	770937	5.671	117	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	3017952	7.341	2651723	7.354	114	50 - 200	-0.0130	+/-0.50	
Acenaphthene-d10	1718309	9.595	1511870	9.603	114	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2764825	11.417	2342120	11.425	118	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2064877	15.311	1663052	15.324	124	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1585934	17.977	1164096	17.99	136	50 - 200	-0.0130	+/-0.50	
GW0450 (1202137-09)			Lab File ID: 0213709D.D			Analyzed: 02/25/12 01:11			
1,4-Dichlorobenzene-d4	824631	5.666	770937	5.671	107	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2768162	7.343	2651723	7.354	104	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1545200	9.598	1511870	9.603	102	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2506714	11.419	2342120	11.425	107	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2210446	15.314	1663052	15.324	133	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1847531	17.985	1164096	17.99	159	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B05915-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/25/12 14:49			
1,4-Dichlorobenzene-d4	669569	5.069	562311	5.352	119	50 - 200	-0.2830	+/-0.50	
Naphthalene-d8	2447052	6.762	2176754	7.028	112	50 - 200	-0.2660	+/-0.50	
Acenaphthene-d10	1261008	8.986	998978	9.253	126	50 - 200	-0.2670	+/-0.50	
Phenanthrene-d10	1952096	10.753	1676737	11.04	116	50 - 200	-0.2870	+/-0.50	
Chrysene-d12	1368051	14.304	1257536	14.687	109	50 - 200	-0.3830	+/-0.50	
Perylene-d12	1047152	16.76	991057	17.215	106	50 - 200	-0.4550	+/-0.50	
Calibration Check (2B05915-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 02/25/12 15:19			
1,4-Dichlorobenzene-d4	578169	5.06	669569	5.069	86	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2120295	6.753	2447052	6.762	87	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1094475	8.976	1261008	8.986	87	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1667842	10.747	1952096	10.753	85	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1118893	14.283	1368051	14.304	82	50 - 200	-0.0210	+/-0.50	
Perylene-d12	800265	16.751	1047152	16.76	76	50 - 200	-0.0090	+/-0.50	
Blank (2B23003-BLK1)			Lab File ID: B23003B1.D			Analyzed: 02/25/12 15:50			
1,4-Dichlorobenzene-d4	577131	5.061	669569	5.069	86	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	2035063	6.754	2447052	6.762	83	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1014329	8.974	1261008	8.986	80	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1546632	10.75	1952096	10.753	79	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	967606	14.279	1368051	14.304	71	50 - 200	-0.0250	+/-0.50	
Perylene-d12	822715	16.749	1047152	16.76	79	50 - 200	-0.0110	+/-0.50	
LCS (2B23003-BS1)			Lab File ID: B23003L1.D			Analyzed: 02/25/12 16:20			
1,4-Dichlorobenzene-d4	716373	5.068	669569	5.069	107	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2572120	6.762	2447052	6.762	105	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1363572	8.978	1261008	8.986	108	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2158081	10.759	1952096	10.753	111	50 - 200	0.0060	+/-0.50	
Chrysene-d12	1530074	14.298	1368051	14.304	112	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1037071	16.766	1047152	16.76	99	50 - 200	0.0060	+/-0.50	
LCS Dup (2B23003-BSD1)			Lab File ID: B23003L2.D			Analyzed: 02/25/12 16:50			
1,4-Dichlorobenzene-d4	765384	5.069	669569	5.069	114	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2850085	6.761	2447052	6.762	116	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1453500	8.982	1261008	8.986	115	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	2210353	10.758	1952096	10.753	113	50 - 200	0.0050	+/-0.50	
Chrysene-d12	1605373	14.298	1368051	14.304	117	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1085676	16.768	1047152	16.76	104	50 - 200	0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0451 (1202147-01)			Lab File ID: 0214701.D			Analyzed: 02/25/12 17:20			
1,4-Dichlorobenzene-d4	639894	5.059	669569	5.069	96	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2347696	6.752	2447052	6.762	96	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1207609	8.975	1261008	8.986	96	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1850453	10.749	1952096	10.753	95	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1126387	14.277	1368051	14.304	82	50 - 200	-0.0270	+/-0.50	
Perylene-d12	902201	16.747	1047152	16.76	86	50 - 200	-0.0130	+/-0.50	
GW0464 (1202147-03)			Lab File ID: 0214703.D			Analyzed: 02/25/12 17:51			
1,4-Dichlorobenzene-d4	710447	5.058	669569	5.069	106	50 - 200	-0.0110	+/-0.50	
Naphthalene-d8	2598162	6.75	2447052	6.762	106	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1377755	8.977	1261008	8.986	109	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2142214	10.751	1952096	10.753	110	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1284001	14.283	1368051	14.304	94	50 - 200	-0.0210	+/-0.50	
Perylene-d12	1011528	16.755	1047152	16.76	97	50 - 200	-0.0050	+/-0.50	
GW0476 (1202147-05)			Lab File ID: 0214705.D			Analyzed: 02/25/12 18:21			
1,4-Dichlorobenzene-d4	706892	5.063	669569	5.069	106	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2500557	6.752	2447052	6.762	102	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1335260	8.97	1261008	8.986	106	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	2052598	10.752	1952096	10.753	105	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1273337	14.28	1368051	14.304	93	50 - 200	-0.0240	+/-0.50	
Perylene-d12	1044575	16.755	1047152	16.76	100	50 - 200	-0.0050	+/-0.50	
GW0478 (1202147-07)			Lab File ID: 0214707.D			Analyzed: 02/25/12 18:51			
1,4-Dichlorobenzene-d4	670520	5.06	669569	5.069	100	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2534059	6.753	2447052	6.762	104	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1231190	8.971	1261008	8.986	98	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	1946838	10.75	1952096	10.753	100	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1145483	14.279	1368051	14.304	84	50 - 200	-0.0250	+/-0.50	
Perylene-d12	954816	16.746	1047152	16.76	91	50 - 200	-0.0140	+/-0.50	
GW0440 (1202153-01)			Lab File ID: 0215301.D			Analyzed: 02/25/12 19:22			
1,4-Dichlorobenzene-d4	692113	5.058	669569	5.069	103	50 - 200	-0.0110	+/-0.50	
Naphthalene-d8	2478664	6.751	2447052	6.762	101	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10	1253730	8.971	1261008	8.986	99	50 - 200	-0.0150	+/-0.50	
Phenanthrene-d10	1942863	10.751	1952096	10.753	100	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1228511	14.28	1368051	14.304	90	50 - 200	-0.0240	+/-0.50	
Perylene-d12	954692	16.751	1047152	16.76	91	50 - 200	-0.0090	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0457 (1202153-03)			Lab File ID: 0215303.D			Analyzed: 02/25/12 19:52			
1,4-Dichlorobenzene-d4	716939	5.059	669569	5.069	107	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2586409	6.752	2447052	6.762	106	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	1297908	8.974	1261008	8.986	103	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10	1961895	10.747	1952096	10.753	101	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1277041	14.277	1368051	14.304	93	50 - 200	-0.0270	+/-0.50	
Perylene-d12	1028006	16.749	1047152	16.76	98	50 - 200	-0.0110	+/-0.50	
GW0462 (1202153-05)			Lab File ID: 0215305.D			Analyzed: 02/25/12 20:23			
1,4-Dichlorobenzene-d4	680999	5.108	669569	5.069	102	50 - 200	0.0390	+/-0.50	
Naphthalene-d8	1806401	6.838	2447052	6.762	74	50 - 200	0.0760	+/-0.50	
Acenaphthene-d10	1845146	9.023	1261008	8.986	146	50 - 200	0.0370	+/-0.50	
Phenanthrene-d10	2118958	10.796	1952096	10.753	109	50 - 200	0.0430	+/-0.50	
Chrysene-d12	977307	14.294	1368051	14.304	71	50 - 200	-0.0100	+/-0.50	
Perylene-d12	683830	16.753	1047152	16.76	65	50 - 200	-0.0070	+/-0.50	
GW0463 (1202153-07)			Lab File ID: 0215307.D			Analyzed: 02/25/12 20:53			
1,4-Dichlorobenzene-d4	585545	5.06	669569	5.069	87	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2153594	6.76	2447052	6.762	88	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1270675	8.985	1261008	8.986	101	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1799499	10.755	1952096	10.753	92	50 - 200	0.0020	+/-0.50	
Chrysene-d12	988286	14.279	1368051	14.304	72	50 - 200	-0.0250	+/-0.50	
Perylene-d12	668479	16.745	1047152	16.76	64	50 - 200	-0.0150	+/-0.50	
GW0477 (1202153-09)			Lab File ID: 0215309.D			Analyzed: 02/25/12 21:24			
1,4-Dichlorobenzene-d4	717916	5.075	669569	5.069	107	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2872769	6.755	2447052	6.762	117	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1567033	8.977	1261008	8.986	124	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2014311	10.749	1952096	10.753	103	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1162409	14.279	1368051	14.304	85	50 - 200	-0.0250	+/-0.50	
Perylene-d12	822441	16.745	1047152	16.76	79	50 - 200	-0.0150	+/-0.50	
GW0389 (1202137-01RE1)			Lab File ID: 0213701D.D			Analyzed: 02/25/12 22:25			
1,4-Dichlorobenzene-d4	692631	5.062	669569	5.069	103	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2610632	6.753	2447052	6.762	107	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1290986	8.97	1261008	8.986	102	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	1979136	10.746	1952096	10.753	101	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1146372	14.274	1368051	14.304	84	50 - 200	-0.0300	+/-0.50	
Perylene-d12	913558	16.744	1047152	16.76	87	50 - 200	-0.0160	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05915	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0390 (1202137-03RE1)			Lab File ID: 0213703D.D			Analyzed: 02/25/12 22:55			
1,4-Dichlorobenzene-d4	632067	5.058	669569	5.069	94	50 - 200	-0.0110	+/-0.50	
Naphthalene-d8	2232010	6.75	2447052	6.762	91	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1090731	8.968	1261008	8.986	86	50 - 200	-0.0180	+/-0.50	
Phenanthrene-d10	1685620	10.742	1952096	10.753	86	50 - 200	-0.0110	+/-0.50	
Chrysene-d12	1097626	14.277	1368051	14.304	80	50 - 200	-0.0270	+/-0.50	
Perylene-d12	840662	16.747	1047152	16.76	80	50 - 200	-0.0130	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06048	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2B06048-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 02/28/12 11:52			
1,4-Dichlorobenzene-d4	508938	5.031	562311	5.352	91	50 - 200	-0.3210	+/-0.50	
Naphthalene-d8	2040979	6.725	2176754	7.028	94	50 - 200	-0.3030	+/-0.50	
Acenaphthene-d10	970604	8.946	998978	9.253	97	50 - 200	-0.3070	+/-0.50	
Phenanthrene-d10	1679156	10.722	1676737	11.04	100	50 - 200	-0.3180	+/-0.50	
Chrysene-d12	1287577	14.249	1257536	14.687	102	50 - 200	-0.4380	+/-0.50	
Perylene-d12	916723	16.707	991057	17.215	92	50 - 200	-0.5080	+/-0.50	
Calibration Check (2B06048-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 02/28/12 12:23			
1,4-Dichlorobenzene-d4	472854	5.018	508938	5.031	93	50 - 200	-0.0130	+/-0.50	
Naphthalene-d8	1865545	6.715	2040979	6.725	91	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	928819	8.939	970604	8.946	96	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1525421	10.715	1679156	10.722	91	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1107936	14.235	1287577	14.249	86	50 - 200	-0.0140	+/-0.50	
Perylene-d12	917469	16.696	916723	16.707	100	50 - 200	-0.0110	+/-0.50	
Blank (2B27002-BLK1)			Lab File ID: B27002B1.D			Analyzed: 02/28/12 12:53			
1,4-Dichlorobenzene-d4	495031	5.021	508938	5.031	97	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	1894658	6.715	2040979	6.725	93	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	904909	8.937	970604	8.946	93	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1545938	10.714	1679156	10.722	92	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1206983	14.235	1287577	14.249	94	50 - 200	-0.0140	+/-0.50	
Perylene-d12	1017690	16.698	916723	16.707	111	50 - 200	-0.0090	+/-0.50	
LCS (2B27002-BS1)			Lab File ID: B27002L1.D			Analyzed: 02/28/12 13:24			
1,4-Dichlorobenzene-d4	442196	5.023	508938	5.031	87	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	1666018	6.715	2040979	6.725	82	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	780388	8.939	970604	8.946	80	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1451126	10.724	1679156	10.722	86	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1166580	14.245	1287577	14.249	91	50 - 200	-0.0040	+/-0.50	
Perylene-d12	904819	16.705	916723	16.707	99	50 - 200	-0.0020	+/-0.50	
GW0399 (1202159-01)			Lab File ID: 0215901.D			Analyzed: 02/28/12 13:54			
1,4-Dichlorobenzene-d4	283755	5.021	508938	5.031	56	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	1062258	6.709	2040979	6.725	52	50 - 200	-0.0160	+/-0.50	
Acenaphthene-d10	519157	8.932	970604	8.946	53	50 - 200	-0.0140	+/-0.50	
Phenanthrene-d10	863737	10.709	1679156	10.722	51	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	647276	14.232	1287577	14.249	50	50 - 200	-0.0170	+/-0.50	
Perylene-d12	541754	16.688	916723	16.707	59	50 - 200	-0.0190	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06048	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0438 (1202159-03)			Lab File ID: 0215903D.D			Analyzed: 02/28/12 14:25			
1,4-Dichlorobenzene-d4	516984	5.034	508938	5.031	102	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1865468	6.737	2040979	6.725	91	50 - 200	0.0120	+/-0.50	
Acenaphthene-d10	1017942	8.953	970604	8.946	105	50 - 200	0.0070	+/-0.50	
Phenanthrene-d10	1373633	10.721	1679156	10.722	82	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1282822	14.241	1287577	14.249	100	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1153258	16.702	916723	16.707	126	50 - 200	-0.0050	+/-0.50	
GW0439 (1202159-05)			Lab File ID: 0215905.D			Analyzed: 02/28/12 14:55			
1,4-Dichlorobenzene-d4	587213	5.031	508938	5.031	115	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2192473	6.719	2040979	6.725	107	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1007987	8.941	970604	8.946	104	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1721047	10.719	1679156	10.722	102	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1334039	14.244	1287577	14.249	104	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1162234	16.701	916723	16.707	127	50 - 200	-0.0060	+/-0.50	
Matrix Spike (2B27002-MS1)			Lab File ID: 0215905M.D			Analyzed: 02/28/12 15:25			
1,4-Dichlorobenzene-d4	533312	5.035	508938	5.031	105	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2112665	6.721	2040979	6.725	104	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	986233	8.946	970604	8.946	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1765106	10.722	1679156	10.722	105	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1233604	14.251	1287577	14.249	96	50 - 200	0.0020	+/-0.50	
Perylene-d12	861425	16.705	916723	16.707	94	50 - 200	-0.0020	+/-0.50	
Matrix Spike Dup (2B27002-MSD1)			Lab File ID: 0215905S.D			Analyzed: 02/28/12 15:55			
1,4-Dichlorobenzene-d4	458054	5.025	508938	5.031	90	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	1740573	6.719	2040979	6.725	85	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	851215	8.942	970604	8.946	88	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1479991	10.72	1679156	10.722	88	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1073023	14.246	1287577	14.249	83	50 - 200	-0.0030	+/-0.50	
Perylene-d12	788294	16.706	916723	16.707	86	50 - 200	-0.0010	+/-0.50	
GW0455 (1202159-07)			Lab File ID: 0215907.D			Analyzed: 02/28/12 16:26			
1,4-Dichlorobenzene-d4	550950	5.028	508938	5.031	108	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2117783	6.722	2040979	6.725	104	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1040367	8.938	970604	8.946	107	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1673356	10.715	1679156	10.722	100	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1317446	14.238	1287577	14.249	102	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1079730	16.707	916723	16.707	118	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06048	Instrument:	MS-BNA1
		Calibration:	2049001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0456 (1202159-09)			Lab File ID: 0215909.D			Analyzed: 02/28/12 16:56			
1,4-Dichlorobenzene-d4	553590	5.031	508938	5.031	109	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2181143	6.72	2040979	6.725	107	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1029238	8.943	970604	8.946	106	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1776246	10.712	1679156	10.722	106	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	1377397	14.238	1287577	14.249	107	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1038185	16.704	916723	16.707	113	50 - 200	-0.0030	+/-0.50	
GW0462 (1202153-05RE1)			Lab File ID: 0215305D.D			Analyzed: 02/28/12 21:59			
1,4-Dichlorobenzene-d4	553835	5.029	508938	5.031	109	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1954222	6.726	2040979	6.725	96	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	999044	8.946	970604	8.946	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1671380	10.717	1679156	10.722	100	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1226628	14.242	1287577	14.249	95	50 - 200	-0.0070	+/-0.50	
Perylene-d12	932180	16.706	916723	16.707	102	50 - 200	-0.0010	+/-0.50	
GW0438 (1202159-03RE1)			Lab File ID: 215903D.D			Analyzed: 02/28/12 22:30			
1,4-Dichlorobenzene-d4	598664	5.028	508938	5.031	118	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2085578	6.724	2040979	6.725	102	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1043921	8.944	970604	8.946	108	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1839870	10.714	1679156	10.722	110	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1239738	14.24	1287577	14.249	96	50 - 200	-0.0090	+/-0.50	
Perylene-d12	790262	16.701	916723	16.707	86	50 - 200	-0.0060	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045	
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_045	
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045	
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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_045
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:	2B05915	Injection Date:	02/25/12
Lab Sample ID:	2B05915-CCV1	Injection Time:	14:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	48.55	1.16059	1.126911		-2.9	20
Acenaphthylene	A	50.00	50.17	1.931371	1.937883		0.3	20
Anthracene	A	50.00	53.37	1.103275	1.17757		6.7	20
Benzo(a)anthracene	A	50.00	44.43	1.152131	1.023726		-11.1	20
Benzo(a)pyrene	A	50.00	47.35	1.007905	0.9544632		-5.3	20
Benzo(b)fluoranthene	A	50.00	44.41	1.182679	1.050547		-11.2	20
Benzo(g,h,i)perylene	A	50.00	48.31	0.7814949	0.755127		-3.4	20
Benzoic acid	A	50.00	50.18	0.2405269	0.2414092		0.4	20
Benzo(k)fluoranthene	A	50.00	53.32	1.198664	1.278148		6.6	20
4-Bromophenyl-phenylether	A	50.00	43.39	0.2146923	0.1862999		-13.2	20
Butylbenzylphthalate	A	50.00	47.62	0.7877604	0.7503212		-4.8	20
Carbazole	A	50.00	48.16	1.029032	0.9911119		-3.7	20
4-Chloro-3-methylphenol	A	50.00	49.22	0.2677559	0.263589		-1.6	20
4-Chloroaniline	A	50.00	48.04	0.4212397	0.404693		-3.9	20
Bis(2-chloroethoxy)methane	A	50.00	45.64	0.4425268	0.4039751		-8.7	20
Bis(2-chloroethyl)ether	A	50.00	42.52	1.489784	1.267025		-15.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	36.20	2.046488	1.481787		-27.6	20 *
2-Chloronaphthalene	A	50.00	44.89	1.216702	1.092308		-10.2	20
2-Chlorophenol	A	50.00	45.53	1.451974	1.322132		-8.9	20
4-Chlorophenyl phenyl ether	A	50.00	44.81	0.5900974	0.528822		-10.4	20
Chrysene	A	50.00	45.36	1.048386	0.9510365		-9.3	20
Dibenz(a,h)anthracene	A	50.00	49.30	0.7877702	0.7766666		-1.4	20
Dibenzofuran	A	50.00	47.05	1.657947	1.560289		-5.9	20
Di-n-butylphthalate	A	50.00	49.69	1.431001	1.422197		-0.6	20
2,4-Dichlorophenol	A	50.00	46.72	0.2671797	0.2496375		-6.6	20
Diethylphthalate	A	50.00	42.12	1.519219	1.279821		-15.8	20
2,4-Dimethylphenol	A	50.00	48.06	0.3315046	0.3186541		-3.9	20
Dimethyl phthalate	A	50.00	52.07	1.343635	1.399241		4.1	20
4,6-Dinitro-2-methylphenol	L	50.00	40.72	0.1585178	0.1350671		-18.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05915	Injection Date:	02/25/12
Lab Sample ID:	2B05915-CCV1	Injection Time:	14:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	38.09	0.206192	0.17898	0.05	-23.8	20 *
2,4-Dinitrotoluene	A	50.00	36.85	0.521052	0.3840103		-26.3	20 *
2,6-Dinitrotoluene	A	50.00	38.24	0.3967176	0.3034214		-23.5	20 *
Di-n-octylphthalate	A	50.00	45.88	2.209015	2.026965		-8.2	20
1,2-Diphenylhydrazine	A	50.00	46.28	0.9459381	0.875566		-7.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	46.43	1.098864	1.02037		-7.1	20
Fluoranthene	A	50.00	51.66	1.03856	1.073077		3.3	20
Fluorene	A	50.00	49.24	1.297136	1.277537		-1.5	20
Hexachlorobenzene	A	50.00	44.54	0.2693626	0.2399308		-10.9	20
Hexachlorobutadiene	A	50.00	45.97	0.1602586	0.1473397		-8.1	20
Hexachlorocyclopentadiene	A	50.00	46.30	0.3304642	0.3059965	0.05	-7.4	20
Hexachloroethane	A	50.00	48.92	0.5511715	0.5393237		-2.1	20
Indeno(1,2,3-cd)pyrene	A	50.00	47.53	0.7943706	0.755127		-4.9	20
Isophorone	A	50.00	42.87	0.709806	0.6085618		-14.3	20
1-Methylnaphthalene	A	50.00	55.32	0.4588489	0.5076744		10.6	20
2-Methylnaphthalene	A	50.00	57.48	0.4643082	0.5338146		15.0	20
2-Methylphenol	A	50.00	50.48	1.170228	1.18149		1.0	20
3-Methylphenol/4-Methylphenol	A	50.00	46.21	1.229111	1.135919		-7.6	20
Naphthalene	A	50.00	56.39	0.9644021	1.087662		12.8	20
4-Nitroaniline	A	50.00	37.38	0.3695132	0.2762482		-25.2	20 *
3-Nitroaniline	A	50.00	45.35	0.4095054	0.3714254		-9.3	20
2-Nitroaniline	A	50.00	35.95	0.3596564	0.2586077		-28.1	20 *
Nitrobenzene	A	50.00	42.22	0.3567881	0.3012464		-15.6	20
4-Nitrophenol	A	50.00	38.23	0.2316481	0.1771256	0.05	-23.5	20 *
2-Nitrophenol	A	50.00	46.66	0.2117473	0.197622		-6.7	20
N-Nitrosodiphenylamine	A	50.00	50.70	0.6232956	0.6320927		1.4	20
N-Nitroso-di-n-propylamine	A	50.00	37.36	0.8744148	0.6533803	0.05	-25.3	20 *
Pentachlorophenol	A	50.00	43.12	0.176134	0.1518942		-13.8	20
Phenanthrene	A	50.00	54.06	1.0766	1.164022		8.1	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05915	Injection Date:	02/25/12
Lab Sample ID:	2B05915-CCV1	Injection Time:	14:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	46.28	1.818861	1.683556		-7.4	20
Pyrene	A	50.00	54.50	1.388531	1.513658		9.0	20
2,4,6-Trichlorophenol	A	50.00	38.74	0.4236546	0.3282523		-22.5	20 *
2,4,5-Trichlorophenol	A	50.00	38.91	0.4209953	0.3276534		-22.2	20 *
2-Fluorobiphenyl	A	50.00	45.21	1.254622	1.134456		-9.6	20
2-Fluorophenol	A	100.0	106.8	1.19198	1.272659		6.8	20
Nitrobenzene-d5	A	50.00	42.56	0.3391874	0.2887278		-14.9	20
Phenol-d6	A	100.0	98.88	1.579612	1.561987		-1.1	20
Terphenyl-d14	A	50.00	47.89	0.8105471	0.7763547		-4.2	20
2,4,6-Tribromophenol	A	100.0	96.78	0.1363191	0.1319347		-3.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05915	Injection Date:	02/25/12
Lab Sample ID:	2B05915-CCV2	Injection Time:	15:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.91	1.744673	1.811427		3.8	20
Atrazine	A	50.00	50.42	0.2115523	0.213343		0.8	20
Benzaldehyde	A	50.00	52.20	1.097219	1.145585		4.4	20
Benzidine	A	50.00	52.81	0.8220668	0.8683204		5.6	20
1,1-Biphenyl	A	50.00	55.08	1.433709	1.579281		10.2	20
Caprolactam	A	50.00	48.50	0.1124745	0.1091086		-3.0	20
3,3'-Dichlorobenzidine	A	50.00	52.80	0.4155803	0.4388123		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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B06048	Injection Date:	02/28/12
Lab Sample ID:	2B06048-CCV1	Injection Time:	11:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.41	1.16059	1.170047		0.8	20
Acenaphthylene	A	50.00	49.38	1.931371	1.90737		-1.2	20
Anthracene	A	50.00	50.17	1.103275	1.107021		0.3	20
Benzo(a)anthracene	A	50.00	47.72	1.152131	1.099675		-4.6	20
Benzo(a)pyrene	A	50.00	50.22	1.007905	1.012315		0.4	20
Benzo(b)fluoranthene	A	50.00	50.76	1.182679	1.200599		1.5	20
Benzo(g,h,i)perylene	A	50.00	43.82	0.7814949	0.6849554		-12.4	20
Benzoic acid	A	50.00	50.86	0.2405269	0.2446418		1.7	20
Benzo(k)fluoranthene	A	50.00	51.08	1.198664	1.22451		2.2	20
4-Bromophenyl-phenylether	A	50.00	51.08	0.2146923	0.2193083		2.2	20
Butylbenzylphthalate	A	50.00	47.54	0.7877604	0.7490932		-4.9	20
Carbazole	A	50.00	47.04	1.029032	0.968155		-5.9	20
4-Chloro-3-methylphenol	A	50.00	49.64	0.2677559	0.2658246		-0.7	20
4-Chloroaniline	A	50.00	48.01	0.4212397	0.4044416		-4.0	20
Bis(2-chloroethoxy)methane	A	50.00	46.46	0.4425268	0.4112368		-7.1	20
Bis(2-chloroethyl)ether	A	50.00	47.25	1.489784	1.407742		-5.5	20
2,2'-Oxybis-1-chloropropane	A	50.00	41.63	2.046488	1.704021		-16.7	20
2-Chloronaphthalene	A	50.00	48.98	1.216702	1.19181		-2.0	20
2-Chlorophenol	A	50.00	48.38	1.451974	1.404949		-3.2	20
4-Chlorophenyl phenyl ether	A	50.00	54.21	0.5900974	0.6398086		8.4	20
Chrysene	A	50.00	47.87	1.048386	1.003657		-4.3	20
Dibenz(a,h)anthracene	A	50.00	46.28	0.7877702	0.7292279		-7.4	20
Dibenzofuran	A	50.00	51.98	1.657947	1.723718		4.0	20
Di-n-butylphthalate	A	50.00	51.01	1.431001	1.459902		2.0	20
2,4-Dichlorophenol	A	50.00	49.52	0.2671797	0.2646346		-1.0	20
Diethylphthalate	A	50.00	41.48	1.519219	1.260287		-17.0	20
2,4-Dimethylphenol	A	50.00	46.21	0.3315046	0.3063996		-7.6	20
Dimethyl phthalate	A	50.00	51.74	1.343635	1.390491		3.5	20
4,6-Dinitro-2-methylphenol	L	50.00	49.60	0.1585178	0.1663298		-0.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B06048	Injection Date:	02/28/12
Lab Sample ID:	2B06048-CCV1	Injection Time:	11:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	47.77	0.206192	0.2319249	0.05	-4.5	20
2,4-Dinitrotoluene	A	50.00	47.82	0.521052	0.4983874		-4.3	20
2,6-Dinitrotoluene	A	50.00	47.31	0.3967176	0.3753605		-5.4	20
Di-n-octylphthalate	A	50.00	53.68	2.209015	2.371382		7.4	20
1,2-Diphenylhydrazine	A	50.00	44.39	0.9459381	0.8398286		-11.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	47.59	1.098864	1.045873		-4.8	20
Fluoranthene	A	50.00	48.79	1.03856	1.013417		-2.4	20
Fluorene	A	50.00	46.62	1.297136	1.209524		-6.8	20
Hexachlorobenzene	A	50.00	50.11	0.2693626	0.2699423		0.2	20
Hexachlorobutadiene	A	50.00	50.94	0.1602586	0.1632573		1.9	20
Hexachlorocyclopentadiene	A	50.00	57.16	0.3304642	0.3778076	0.05	14.3	20
Hexachloroethane	A	50.00	46.60	0.5511715	0.5137349		-6.8	20
Indeno(1,2,3-cd)pyrene	A	50.00	43.11	0.7943706	0.6849554		-13.8	20
Isophorone	A	50.00	44.33	0.709806	0.6292878		-11.3	20
1-Methylnaphthalene	A	50.00	53.69	0.4588489	0.4926843		7.4	20
2-Methylnaphthalene	A	50.00	52.46	0.4643082	0.4871458		4.9	20
2-Methylphenol	A	50.00	51.19	1.170228	1.198076		2.4	20
3-Methylphenol/4-Methylphenol	A	50.00	45.55	1.229111	1.119761		-8.9	20
Naphthalene	A	50.00	51.31	0.9644021	0.9896153		2.6	20
4-Nitroaniline	A	50.00	42.73	0.3695132	0.3157935		-14.5	20
3-Nitroaniline	A	50.00	47.38	0.4095054	0.3880314		-5.2	20
2-Nitroaniline	A	50.00	40.27	0.3596564	0.2896448		-19.5	20
Nitrobenzene	A	50.00	42.97	0.3567881	0.3066011		-14.1	20
4-Nitrophenol	A	50.00	43.99	0.2316481	0.2038195	0.05	-12.0	20
2-Nitrophenol	A	50.00	47.40	0.2117473	0.200726		-5.2	20
N-Nitrosodiphenylamine	A	50.00	50.65	0.6232956	0.6314406		1.3	20
N-Nitroso-di-n-propylamine	A	50.00	44.34	0.8744148	0.7755255	0.05	-11.3	20
Pentachlorophenol	A	50.00	55.51	0.176134	0.195553		11.0	20
Phenanthrene	A	50.00	51.39	1.0766	1.106581		2.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B06048	Injection Date:	02/28/12
Lab Sample ID:	2B06048-CCV1	Injection Time:	11:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	44.95	1.818861	1.63509		-10.1	20
Pyrene	A	50.00	50.68	1.388531	1.407312		1.4	20
2,4,6-Trichlorophenol	A	50.00	49.11	0.4236546	0.4161524		-1.8	20
2,4,5-Trichlorophenol	A	50.00	51.93	0.4209953	0.4372271		3.9	20
2-Fluorobiphenyl	A	50.00	49.88	1.254622	1.251584		-0.2	20
2-Fluorophenol	A	100.0	99.42	1.19198	1.185014		-0.6	20
Nitrobenzene-d5	A	50.00	44.52	0.3391874	0.3019884		-11.0	20
Phenol-d6	A	100.0	103.7	1.579612	1.638321		3.7	20
Terphenyl-d14	A	50.00	50.48	0.8105471	0.8182662		1.0	20
2,4,6-Tribromophenol	A	100.0	111.5	0.1363191	0.152018		11.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B06048	Injection Date:	02/28/12
Lab Sample ID:	2B06048-CCV2	Injection Time:	12:23

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.94	1.744673	1.812404		3.9	20
Atrazine	A	50.00	52.72	0.2115523	0.2230749		5.4	20
Benzaldehyde	A	50.00	50.09	1.097219	1.099215		0.2	20
Benzidine	A	50.00	50.35	0.8220668	0.8278594		0.7	20
1,1-Biphenyl	A	50.00	53.94	1.433709	1.546667		7.9	20
Caprolactam	A	50.00	49.13	0.1124745	0.1105183		-1.7	20
3,3'-Dichlorobenzidine	A	50.00	54.13	0.4155803	0.4499466		8.3	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_045

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_045	
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_045

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_045

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

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B23003-BLK1 File ID: B23003B1.D

Sampled: Prepared: Analyzed: 02/25/12 15:50

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B23003 Sequence: 2B05915 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	Q, 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	Y, U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	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	Y, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	Y, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	Y, U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B23003-BLK1 File ID: B23003B1.D

Sampled: Prepared: Analyzed: 02/25/12 15:50

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B23003 Sequence: 2B05915 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	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	Y, U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	Y, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	Y, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	27.88	55.8	50 - 110	
2-Fluorophenol	100.0	29.69	29.7	20 - 110	
Nitrobenzene-d5	50.00	28.13	56.3	40 - 110	
Phenol-d6	100.0	15.46	15.5	0 - 110	
Terphenyl-d14	50.00	45.09	90.2	50 - 135	
2,4,6-Tribromophenol	100.0	58.78	58.8	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B23003-BS1
File ID: B23003L1.D
Sampled:
Prepared:
Analyzed: 02/25/12 16:20
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2B23003
Sequence: 2B05915
Calibration: 2049001
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.80	1.25	2.50	5.00	
208-96-8	Acenaphthylene	45.24	1.25	2.50	5.00	
98-86-2	Acetophenone	39.01	1.25	2.50	5.00	
120-12-7	Anthracene	53.46	1.25	2.50	5.00	
1912-24-9	Atrazine	42.89	1.25	2.50	5.00	
100-52-7	Benzaldehyde	34.20	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	45.69	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	51.37	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	53.43	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	52.90	1.25	2.50	5.00	
65-85-0	Benzoic acid	22.80	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	50.38	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	41.61	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	47.70	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	52.43	1.25	2.50	5.00	
105-60-2	Caprolactam	8.534	1.25	2.50	5.00	
86-74-8	Carbazole	49.89	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	91.77	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	42.73	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	46.20	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	38.75	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	29.36	1.25	2.50	5.00	Y
91-58-7	2-Chloronaphthalene	40.54	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	74.82	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	45.00	1.25	2.50	5.00	
218-01-9	Chrysene	50.66	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	53.37	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.73	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	53.99	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	40.41	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	93.69	1.25	2.50	5.00	
84-66-2	Diethylphthalate	40.69	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	91.97	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.35	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	94.16	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	80.29	1.00	25.0	50.0	Y
121-14-2	2,4-Dinitrotoluene	37.65	1.25	2.50	5.00	Y
606-20-2	2,6-Dinitrotoluene	40.41	1.25	2.50	5.00	Y
117-84-0	Di-n-octylphthalate	55.85	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B23003-BS1 File ID: B23003L1.D

Sampled: Prepared: Analyzed: 02/25/12 16:20

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B23003 Sequence: 2B05915 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	46.15	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	52.97	1.25	2.50	5.00	
206-44-0	Fluoranthene	49.52	1.25	2.50	5.00	
86-73-7	Fluorene	45.07	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	44.51	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	23.05	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	27.16	1.25	2.50	5.00	
67-72-1	Hexachloroethane	21.08	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	52.04	1.25	2.50	5.00	
78-59-1	Isophorone	38.93	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.17	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	43.98	1.25	2.50	5.00	
95-48-7	2-Methylphenol	70.49	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	61.96	1.25	2.50	5.00	E
91-20-3	Naphthalene	38.36	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	40.23	5.00	10.0	20.0	Y
99-09-2	3-Nitroaniline	35.03	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	37.62	5.00	10.0	20.0	Y
98-95-3	Nitrobenzene	37.45	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	27.64	5.00	10.0	20.0	Y
88-75-5	2-Nitrophenol	86.58	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	43.98	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	40.68	1.25	2.50	5.00	Y
87-86-5	Pentachlorophenol	96.72	5.00	10.0	20.0	
85-01-8	Phenanthrene	54.40	1.25	2.50	5.00	
108-95-2	Phenol	24.58	1.25	2.50	5.00	
129-00-0	Pyrene	54.45	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	84.01	1.25	2.50	5.00	Y
95-95-4	2,4,5-Trichlorophenol	90.53	1.25	2.50	5.00	Y

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.86	87.7	50 - 110	
2-Fluorophenol	100.0	48.97	49.0	20 - 110	
Nitrobenzene-d5	50.00	42.41	84.8	40 - 110	
Phenol-d6	100.0	25.78	25.8	0 - 110	
Terphenyl-d14	50.00	53.36	107	50 - 135	
2,4,6-Tribromophenol	100.0	94.51	94.5	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B23003-BSD1 File ID: B23003L2.D

Sampled: Prepared: Analyzed: 02/25/12 16:50

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B23003 Sequence: 2B05915 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.00	1.25	2.50	5.00	
208-96-8	Acenaphthylene	45.76	1.25	2.50	5.00	
98-86-2	Acetophenone	43.07	1.25	2.50	5.00	
120-12-7	Anthracene	54.49	1.25	2.50	5.00	
1912-24-9	Atrazine	39.60	1.25	2.50	5.00	
100-52-7	Benzaldehyde	37.28	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	45.91	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	51.75	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	55.47	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	50.52	1.25	2.50	5.00	
65-85-0	Benzoic acid	14.46	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	50.05	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	37.14	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	44.79	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	50.53	1.25	2.50	5.00	
105-60-2	Caprolactam	7.044	1.25	2.50	5.00	
86-74-8	Carbazole	47.17	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	92.90	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	46.80	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	48.12	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.08	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	30.32	1.25	2.50	5.00	Y
91-58-7	2-Chloronaphthalene	36.56	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	77.88	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	43.30	1.25	2.50	5.00	
218-01-9	Chrysene	49.51	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	51.35	1.25	2.50	5.00	
132-64-9	Dibenzofuran	42.43	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	54.47	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	40.97	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	93.07	1.25	2.50	5.00	
84-66-2	Diethylphthalate	42.16	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	86.23	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.12	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	89.54	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	75.21	1.00	25.0	50.0	Y
121-14-2	2,4-Dinitrotoluene	36.94	1.25	2.50	5.00	Y
606-20-2	2,6-Dinitrotoluene	34.92	1.25	2.50	5.00	Y
117-84-0	Di-n-octylphthalate	57.41	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B23003-BSD1 File ID: B23003L2.D

Sampled: Prepared: Analyzed: 02/25/12 16:50

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B23003 Sequence: 2B05915 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.95	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	50.88	1.25	2.50	5.00	
206-44-0	Fluoranthene	49.10	1.25	2.50	5.00	
86-73-7	Fluorene	43.98	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.09	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	24.24	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	30.39	1.25	2.50	5.00	
67-72-1	Hexachloroethane	23.05	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.70	1.25	2.50	5.00	
78-59-1	Isophorone	39.47	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	47.59	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	45.98	1.25	2.50	5.00	
95-48-7	2-Methylphenol	69.68	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	60.12	1.25	2.50	5.00	E
91-20-3	Naphthalene	43.18	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	38.52	5.00	10.0	20.0	Y
99-09-2	3-Nitroaniline	33.78	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	35.88	5.00	10.0	20.0	Y
98-95-3	Nitrobenzene	37.86	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	24.39	5.00	10.0	20.0	Y
88-75-5	2-Nitrophenol	92.73	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	45.81	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.20	1.25	2.50	5.00	Y
87-86-5	Pentachlorophenol	89.22	5.00	10.0	20.0	
85-01-8	Phenanthrene	52.56	1.25	2.50	5.00	
108-95-2	Phenol	23.89	1.25	2.50	5.00	
129-00-0	Pyrene	52.55	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	81.51	1.25	2.50	5.00	Y
95-95-4	2,4,5-Trichlorophenol	87.24	1.25	2.50	5.00	Y

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.30	92.6	50 - 110	
2-Fluorophenol	100.0	46.48	46.5	20 - 110	
Nitrobenzene-d5	50.00	42.50	85.0	40 - 110	
Phenol-d6	100.0	24.24	24.2	0 - 110	
Terphenyl-d14	50.00	50.89	102	50 - 135	
2,4,6-Tribromophenol	100.0	93.06	93.1	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27002-BLK1 File ID: B27002B1.D

Sampled: Prepared: Analyzed: 02/28/12 12:53

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27002 Sequence: 2B06048 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_045

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

Matrix: Laboratory ID: 2B27002-BLK1 File ID: B27002B1.D

Sampled: Prepared: Analyzed: 02/28/12 12:53

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27002 Sequence: 2B06048 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	47.10	94.2	50 - 110	
2-Fluorophenol	100.0	42.74	42.7	20 - 110	
Nitrobenzene-d5	50.00	42.62	85.2	40 - 110	
Phenol-d6	100.0	22.93	22.9	0 - 110	
Terphenyl-d14	50.00	55.68	111	50 - 135	
2,4,6-Tribromophenol	100.0	101.3	101	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_045

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

Matrix: | Laboratory ID: 2B27002-BS1 | File ID: B27002L1.D

Sampled: | Prepared: | Analyzed: 02/28/12 13:24

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2B27002 | Sequence: 2B06048 | Calibration: 2049001 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	37.54	1.25	2.50	5.00	
208-96-8	Acenaphthylene	38.35	1.25	2.50	5.00	
98-86-2	Acetophenone	31.87	1.25	2.50	5.00	
120-12-7	Anthracene	45.97	1.25	2.50	5.00	
1912-24-9	Atrazine	38.70	1.25	2.50	5.00	
100-52-7	Benzaldehyde	29.89	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	42.35	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.02	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	43.00	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	41.59	1.25	2.50	5.00	
65-85-0	Benzoic acid	14.48	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	47.11	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	35.44	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	41.78	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	43.85	1.25	2.50	5.00	
105-60-2	Caprolactam	4.860	1.25	2.50	5.00	J
86-74-8	Carbazole	44.60	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	69.85	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	30.74	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	36.39	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	32.89	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	32.48	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	33.96	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	56.89	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.82	1.25	2.50	5.00	
218-01-9	Chrysene	44.69	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	43.74	1.25	2.50	5.00	
132-64-9	Dibenzofuran	40.99	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	47.98	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	37.47	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	71.07	1.25	2.50	5.00	
84-66-2	Diethylphthalate	43.51	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	65.09	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	45.25	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	90.84	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	85.26	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	42.71	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	38.89	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	44.89	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27002-BS1 File ID: B27002L1.D

Sampled: Prepared: Analyzed: 02/28/12 13:24

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	35.63	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	43.77	1.25	2.50	5.00	
206-44-0	Fluoranthene	46.97	1.25	2.50	5.00	
86-73-7	Fluorene	40.24	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.33	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	26.54	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	31.73	1.25	2.50	5.00	
67-72-1	Hexachloroethane	20.91	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	40.91	1.25	2.50	5.00	
78-59-1	Isophorone	31.61	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	35.69	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	35.10	1.25	2.50	5.00	
95-48-7	2-Methylphenol	51.74	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	42.92	1.25	2.50	5.00	
91-20-3	Naphthalene	33.25	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	40.16	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	33.08	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	37.72	5.00	10.0	20.0	
98-95-3	Nitrobenzene	31.65	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	21.73	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	69.91	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	36.19	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	34.31	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	92.43	5.00	10.0	20.0	
85-01-8	Phenanthrene	48.23	1.25	2.50	5.00	
108-95-2	Phenol	16.30	1.25	2.50	5.00	
129-00-0	Pyrene	44.46	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	76.19	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	83.14	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.45	76.9	50 - 110	
2-Fluorophenol	100.0	32.38	32.4	20 - 110	
Nitrobenzene-d5	50.00	32.95	65.9	40 - 110	
Phenol-d6	100.0	16.76	16.8	0 - 110	
Terphenyl-d14	50.00	48.25	96.5	50 - 135	
2,4,6-Tribromophenol	100.0	89.20	89.2	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27002-MS1 File ID: 0215905M.D

Sampled: Prepared: Analyzed: 02/28/12 15:25

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.07	1.23	2.45	4.90	
208-96-8	Acenaphthylene	43.24	1.23	2.45	4.90	
98-86-2	Acetophenone	37.52	1.23	2.45	4.90	
120-12-7	Anthracene	45.65	1.23	2.45	4.90	
1912-24-9	Atrazine	40.53	1.23	2.45	4.90	
100-52-7	Benzaldehyde	32.32	1.23	2.45	4.90	
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene	44.66	1.23	2.45	4.90	
50-32-8	Benzo(a)pyrene	44.71	1.23	2.45	4.90	
205-99-2	Benzo(b)fluoranthene	50.01	1.23	2.45	4.90	
191-24-2	Benzo(g,h,i)perylene	40.65	1.23	2.45	4.90	
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene	44.89	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	36.61	1.23	2.45	4.90	
101-55-3	4-Bromophenyl-phenylether	44.70	1.23	2.45	4.90	
85-68-7	Butylbenzylphthalate	48.57	1.23	2.45	4.90	
105-60-2	Caprolactam	9.814	1.23	2.45	4.90	Q
86-74-8	Carbazole	41.86	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	79.61	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	36.52	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	40.05	1.23	2.45	4.90	
111-44-4	Bis(2-chloroethyl)ether	37.19	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	32.73	1.23	2.45	4.90	
91-58-7	2-Chloronaphthalene	35.88	1.23	2.45	4.90	
95-57-8	2-Chlorophenol	61.95	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	48.16	1.23	2.45	4.90	
218-01-9	Chrysene	46.29	1.23	2.45	4.90	
53-70-3	Dibenz(a,h)anthracene	42.41	1.23	2.45	4.90	
132-64-9	Dibenzofuran	45.68	1.23	2.45	4.90	
84-74-2	Di-n-butylphthalate	45.93	1.23	2.45	4.90	
91-94-1	3,3'-Dichlorobenzidine	40.03	1.23	2.45	4.90	
120-83-2	2,4-Dichlorophenol	68.35	1.23	2.45	4.90	
84-66-2	Diethylphthalate	39.73	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	76.72	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	48.24	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	57.28	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	46.09	0.980	24.5	49.0	J
121-14-2	2,4-Dinitrotoluene	40.59	1.23	2.45	4.90	
606-20-2	2,6-Dinitrotoluene	41.01	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	50.73	1.23	2.45	4.90	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27002-MS1 File ID: 0215905M.D

Sampled: Prepared: Analyzed: 02/28/12 15:25

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.30	1.23	2.45	4.90	
117-81-7	Bis(2-ethylhexyl)phthalate	47.27	1.23	2.45	4.90	
206-44-0	Fluoranthene	42.68	1.23	2.45	4.90	
86-73-7	Fluorene	42.96	1.23	2.45	4.90	
118-74-1	Hexachlorobenzene	43.96	1.23	2.45	4.90	
87-68-3	Hexachlorobutadiene	26.24	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	34.67	1.23	2.45	4.90	
67-72-1	Hexachloroethane	21.77	1.23	2.45	4.90	
193-39-5	Indeno(1,2,3-cd)pyrene	39.99	1.23	2.45	4.90	
78-59-1	Isophorone	34.08	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	38.78	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	38.65	1.23	2.45	4.90	
95-48-7	2-Methylphenol	69.72	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	59.64	1.23	2.45	4.90	E
91-20-3	Naphthalene	35.40	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	41.32	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	39.37	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	40.26	4.90	9.80	19.6	
98-95-3	Nitrobenzene	34.10	1.23	2.45	4.90	
100-02-7	4-Nitrophenol	20.96	4.90	9.80	19.6	
88-75-5	2-Nitrophenol	64.86	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	38.47	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	39.33	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	66.39	4.90	9.80	19.6	
85-01-8	Phenanthrene	45.79	1.23	2.45	4.90	
108-95-2	Phenol	29.60	1.23	2.45	4.90	
129-00-0	Pyrene	47.69	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	64.33	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	75.48	1.23	2.45	4.90	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	42.40	86.5	50 - 110	
2-Fluorophenol	98.04	39.99	40.8	20 - 110	
Nitrobenzene-d5	49.02	35.02	71.4	40 - 110	
Phenol-d6	98.04	29.10	29.7	0 - 110	
Terphenyl-d14	49.02	50.81	104	50 - 135	
2,4,6-Tribromophenol	98.04	72.86	74.3	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27002-MSD1 File ID: 0215905S.D

Sampled: Prepared: Analyzed: 02/28/12 15:55

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.26	1.23	2.45	4.90	
208-96-8	Acenaphthylene	41.31	1.23	2.45	4.90	
98-86-2	Acetophenone	34.97	1.23	2.45	4.90	
120-12-7	Anthracene	45.09	1.23	2.45	4.90	
1912-24-9	Atrazine	40.88	1.23	2.45	4.90	
100-52-7	Benzaldehyde	32.46	1.23	2.45	4.90	
92-87-5	Benzidine		12.3	24.5	49.0	U
56-55-3	Benzo(a)anthracene	43.51	1.23	2.45	4.90	
50-32-8	Benzo(a)pyrene	44.01	1.23	2.45	4.90	
205-99-2	Benzo(b)fluoranthene	45.89	1.23	2.45	4.90	
191-24-2	Benzo(g,h,i)perylene	41.44	1.23	2.45	4.90	
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene	44.99	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	36.79	1.23	2.45	4.90	
101-55-3	4-Bromophenyl-phenylether	45.18	1.23	2.45	4.90	
85-68-7	Butylbenzylphthalate	48.96	1.23	2.45	4.90	
105-60-2	Caprolactam	9.725	1.23	2.45	4.90	Q
86-74-8	Carbazole	40.99	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	77.49	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	38.31	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	40.42	1.23	2.45	4.90	
111-44-4	Bis(2-chloroethyl)ether	36.40	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	33.44	1.23	2.45	4.90	
91-58-7	2-Chloronaphthalene	35.81	1.23	2.45	4.90	
95-57-8	2-Chlorophenol	47.02	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	44.76	1.23	2.45	4.90	
218-01-9	Chrysene	46.20	1.23	2.45	4.90	
53-70-3	Dibenz(a,h)anthracene	41.71	1.23	2.45	4.90	
132-64-9	Dibenzofuran	42.46	1.23	2.45	4.90	
84-74-2	Di-n-butylphthalate	48.09	1.23	2.45	4.90	
91-94-1	3,3'-Dichlorobenzidine	39.14	1.23	2.45	4.90	
120-83-2	2,4-Dichlorophenol	56.28	1.23	2.45	4.90	
84-66-2	Diethylphthalate	41.31	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	73.09	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	45.40	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	47.26	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	41.82	0.980	24.5	49.0	J
121-14-2	2,4-Dinitrotoluene	39.81	1.23	2.45	4.90	
606-20-2	2,6-Dinitrotoluene	39.33	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	47.81	1.23	2.45	4.90	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Matrix: Laboratory ID: 2B27002-MSD1 File ID: 0215905S.D

Sampled: Prepared: Analyzed: 02/28/12 15:55

Solids: Preparation: EXT_3510 Dilution:

Batch: 2B27002 Sequence: 2B06048 Calibration: 2049001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	37.79	1.23	2.45	4.90	
117-81-7	Bis(2-ethylhexyl)phthalate	46.86	1.23	2.45	4.90	
206-44-0	Fluoranthene	44.92	1.23	2.45	4.90	
86-73-7	Fluorene	42.88	1.23	2.45	4.90	
118-74-1	Hexachlorobenzene	42.78	1.23	2.45	4.90	
87-68-3	Hexachlorobutadiene	29.55	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	35.09	1.23	2.45	4.90	
67-72-1	Hexachloroethane	23.89	1.23	2.45	4.90	
193-39-5	Indeno(1,2,3-cd)pyrene	40.77	1.23	2.45	4.90	
78-59-1	Isophorone	34.94	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	39.74	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	38.86	1.23	2.45	4.90	
95-48-7	2-Methylphenol	65.23	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	58.53	1.23	2.45	4.90	
91-20-3	Naphthalene	36.16	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	38.70	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	38.49	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	38.15	4.90	9.80	19.6	
98-95-3	Nitrobenzene	34.03	1.23	2.45	4.90	
100-02-7	4-Nitrophenol	17.11	4.90	9.80	19.6	J
88-75-5	2-Nitrophenol	48.18	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	40.69	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	38.44	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	53.98	4.90	9.80	19.6	
85-01-8	Phenanthrene	46.11	1.23	2.45	4.90	
108-95-2	Phenol	22.44	1.23	2.45	4.90	
129-00-0	Pyrene	46.61	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	48.60	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	57.17	1.23	2.45	4.90	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	41.46	84.6	50 - 110	
2-Fluorophenol	98.04	29.32	29.9	20 - 110	
Nitrobenzene-d5	49.02	35.47	72.4	40 - 110	
Phenol-d6	98.04	23.21	23.7	0 - 110	
Terphenyl-d14	49.02	52.85	108	50 - 135	
2,4,6-Tribromophenol	98.04	62.35	63.6	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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
GW0389	02/16/12 15:09	02/20/12 08:00	02/21/12 12:00	4.83	7.00	02/24/12 23:12	3.47	40.00	
GW0389	02/16/12 15:09	02/20/12 08:00	02/21/12 12:00	4.83	7.00	02/25/12 22:25	4.43	40.00	
GW0390	02/16/12 15:09	02/20/12 08:00	02/21/12 12:00	4.83	7.00	02/24/12 23:41	3.49	40.00	
GW0390	02/16/12 15:09	02/20/12 08:00	02/21/12 12:00	4.83	7.00	02/25/12 22:55	4.45	40.00	
GW0444	02/17/12 11:07	02/20/12 08:00	02/21/12 12:00	4.00	7.00	02/25/12 00:11	3.51	40.00	
GW0449	02/17/12 11:47	02/20/12 08:00	02/21/12 12:00	3.97	7.00	02/25/12 00:41	3.53	40.00	
GW0450	02/17/12 11:47	02/20/12 08:00	02/21/12 12:00	3.97	7.00	02/25/12 01:11	3.55	40.00	
GW0451	02/21/12 12:16	02/22/12 08:20	02/23/12 13:24	2.01	7.00	02/25/12 17:20	2.16	40.00	
GW0464	02/21/12 12:35	02/22/12 08:20	02/23/12 13:24	1.99	7.00	02/25/12 17:51	2.19	40.00	
GW0476	02/20/12 15:27	02/22/12 08:20	02/23/12 13:24	2.87	7.00	02/25/12 18:21	2.21	40.00	
GW0478	02/20/12 12:17	02/22/12 08:20	02/23/12 13:24	3.00	7.00	02/25/12 18:51	2.23	40.00	
GW0440	02/22/12 14:14	02/23/12 08:30	02/23/12 13:24	0.92	7.00	02/25/12 19:22	2.25	40.00	
GW0457	02/22/12 11:27	02/23/12 08:30	02/23/12 13:24	1.04	7.00	02/25/12 19:52	2.27	40.00	
GW0462	02/21/12 15:11	02/23/12 08:30	02/23/12 13:24	1.88	7.00	02/25/12 20:23	2.29	40.00	
GW0462	02/21/12 15:11	02/23/12 08:30	02/23/12 13:24	1.88	7.00	02/28/12 21:59	5.36	40.00	
GW0463	02/22/12 10:23	02/23/12 08:30	02/23/12 13:24	1.08	7.00	02/25/12 20:53	2.31	40.00	
GW0477	02/21/12 15:41	02/23/12 08:30	02/23/12 13:24	1.86	7.00	02/25/12 21:24	2.33	40.00	
GW0399	02/22/12 15:47	02/24/12 08:30	02/27/12 09:18	4.69	7.00	02/28/12 13:54	1.19	40.00	
GW0438	02/23/12 12:32	02/24/12 08:30	02/27/12 09:18	3.82	7.00	02/28/12 14:25	1.21	40.00	
GW0438	02/23/12 12:32	02/24/12 08:30	02/27/12 09:18	3.82	7.00	02/28/12 22:30	1.55	40.00	
GW0439	02/23/12 09:32	02/24/12 08:30	02/27/12 09:18	3.95	7.00	02/28/12 14:55	1.23	40.00	
GW0455	02/23/12 10:15	02/24/12 08:30	02/27/12 09:18	3.92	7.00	02/28/12 16:26	1.30	40.00	
GW0456	02/23/12 14:05	02/24/12 08:30	02/27/12 09:18	3.76	7.00	02/28/12 16:56	1.32	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05405	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05405-CCV1	003F0301.D	02/22/12 09:28
Blank	2B21004-BLK1	004F0401.D	02/22/12 10:12
LCS	2B21004-BS1	005F0501.D	02/22/12 10:45
LCS Dup	2B21004-BSD1	006F0601.D	02/22/12 11:18
GW0449	1202137-07	010F1001.D	02/22/12 13:30
GW0450	1202137-09	011F1101.D	02/22/12 14:04
Blank	2B22005-BLK1	012F1201.D	02/22/12 14:42
LCS	2B22005-BS1	013F1301.D	02/22/12 15:15
LCS Dup	2B22005-BSD1	014F1401.D	02/22/12 15:48
Calibration Check	2B05405-CCV2	015F1501.D	02/22/12 16:21

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05804	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05804-CCV1	022F2201.D	02/24/12 00:04
GW0451	1202147-01	023F2301.D	02/24/12 00:37
GW0464	1202147-03	024F2401.D	02/24/12 01:10
GW0476	1202147-05	025F2501.D	02/24/12 01:43
GW0478	1202147-07	026F2601.D	02/24/12 02:16
GW0389	1202137-01	027F2701.D	02/24/12 02:49
GW0390	1202137-03	028F2801.D	02/24/12 03:22
GW0444	1202137-05	029F2901.D	02/24/12 03:56
Calibration Check	2B05804-CCV2	034F3401.D	02/24/12 06:41

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06036	Instrument:	GL-GCFID2
Calibration:	2002005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B06036-CCV1	003F0301.D	02/27/12 09:38
LCS	2B23012-BS1	004F0401.D	02/27/12 10:12
LCS Dup	2B23012-BSD1	005F0501.D	02/27/12 10:45
Blank	2B23012-BLK1	006F0601.D	02/27/12 11:19
GW0440	1202153-01	007F0701.D	02/27/12 11:52
GW0457	1202153-03	008F0801.D	02/27/12 12:25
GW0477	1202153-09	011F1101.D	02/27/12 14:05
GW0399	1202159-01	012F1201.D	02/27/12 14:39
GW0439	1202159-05	014F1401.D	02/27/12 15:45
GW0439	2B23012-MS1	015F1501.D	02/27/12 16:18
GW0439	2B23012-MSD1	016F1601.D	02/27/12 16:51
GW0455	1202159-07	017F1701.D	02/27/12 17:25
GW0456	1202159-09	018F1801.D	02/27/12 17:58
Calibration Check	2B06036-CCV2	019F1901.D	02/27/12 18:31

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06115	Instrument:	GL-GCFID2
Calibration:	2061006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2C06115-CAL1	004F0401.D	02/29/12 15:24
Cal Standard	2C06115-CAL2	005F0501.D	02/29/12 15:58
Cal Standard	2C06115-CAL3	006F0601.D	02/29/12 16:31
Cal Standard	2C06115-CAL4	007F0701.D	02/29/12 17:04
Cal Standard	2C06115-CAL5	008F0801.D	02/29/12 17:38
Cal Standard	2C06115-CAL6	009F0901.D	02/29/12 18:11
Initial Cal Check	2C06115-ICV1	010F1001.D	02/29/12 18:44

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06116	Instrument:	GL-GCFID2
Calibration:	2061006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2C06116-CCV1	011F1101.D	02/29/12 19:17
GW0462	1202153-05	012F1201.D	02/29/12 19:51
GW0463	1202153-07	013F1301.D	02/29/12 20:24
GW0438	1202159-03	014F1401.D	02/29/12 20:57
Calibration Check	2C06116-CCV2	015F1501.D	02/29/12 21:30

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01	File ID:	027F2701.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 15:34	Analyzed:	02/24/12 02:49
Solids:		Preparation:	EXT_3510	Dilution:	25

Batch: 2B21004 Sequence: 2B05804 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	36.8	2.36	2.36	2.36	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01745	92.5	30 - 140	D

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03	File ID:	028F2801.D
Sampled:	02/16/12 15:09	Prepared:	02/21/12 15:34	Analyzed:	02/24/12 03:22
Solids:		Preparation:	EXT_3510	Dilution:	25

Batch: 2B21004 Sequence: 2B05804 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	34.9	2.38	2.38	2.38	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01732	90.9	30 - 140	D

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05	File ID:	029F2901.D
Sampled:	02/17/12 11:07	Prepared:	02/21/12 15:34	Analyzed:	02/24/12 03:56
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2B21004 Sequence: 2B05804 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	5.00	0.476	0.476	0.476	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01855	97.4	30 - 140	

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07	File ID:	010F1001.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 15:34	Analyzed:	02/22/12 13:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B21004 Sequence: 2B05405 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	0.01119	56.0	30 - 140	

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09	File ID:	011F1101.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 15:34	Analyzed:	02/22/12 14:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B21004 Sequence: 2B05405 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	0.009955	49.8	30 - 140	

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01	File ID:	023F2301.D
Sampled:	02/21/12 12:16	Prepared:	02/22/12 14:13	Analyzed:	02/24/12 00:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B22005 Sequence: 2B05804 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01849	98.0	30 - 140	

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03	File ID:	024F2401.D
Sampled:	02/21/12 12:35	Prepared:	02/22/12 14:13	Analyzed:	02/24/12 01:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B22005 Sequence: 2B05804 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01829	96.9	30 - 140	

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05	File ID:	025F2501.D
Sampled:	02/20/12 15:27	Prepared:	02/22/12 14:13	Analyzed:	02/24/12 01:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B22005 Sequence: 2B05804 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.879	0.0935	0.0935	0.0935	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01713	91.6	30 - 140	

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07	File ID:	026F2601.D
Sampled:	02/20/12 12:17	Prepared:	02/22/12 14:13	Analyzed:	02/24/12 02:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B22005 Sequence: 2B05804 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	0.01939	101	30 - 140	

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01	File ID:	007F0701.D
Sampled:	02/22/12 14:14	Prepared:	02/24/12 10:22	Analyzed:	02/27/12 11:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23012 Sequence: 2B06036 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	0.01679	87.3	30 - 140	X

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03	File ID:	008F0801.D
Sampled:	02/22/12 11:27	Prepared:	02/24/12 10:22	Analyzed:	02/27/12 12:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23012 Sequence: 2B06036 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	0.01937	101	30 - 140	X

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05	File ID:	012F1201.D
Sampled:	02/21/12 15:11	Prepared:	02/24/12 10:22	Analyzed:	02/29/12 19:51
Solids:		Preparation:	EXT_3510	Dilution:	25

Batch: 2B23012 Sequence: 2C06116 Calibration: 2061006 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	38.3	2.45	2.45	2.45	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01758	89.6	30 - 140	D

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07	File ID:	013F1301.D
Sampled:	02/22/12 10:23	Prepared:	02/24/12 10:22	Analyzed:	02/29/12 20:24
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2B23012 Sequence: 2C06116 Calibration: 2061006 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	9.50	0.943	0.943	0.943	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01934	103	30 - 140	

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09	File ID:	011F1101.D
Sampled:	02/21/12 15:41	Prepared:	02/24/12 10:22	Analyzed:	02/27/12 14:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23012 Sequence: 2B06036 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	2.17	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02032	102	30 - 140	X

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01	File ID:	012F1201.D
Sampled:	02/22/12 15:47	Prepared:	02/24/12 12:19	Analyzed:	02/27/12 14:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23012 Sequence: 2B06036 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	0.01866	97.0	30 - 140	X

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03	File ID:	014F1401.D
Sampled:	02/23/12 12:32	Prepared:	02/24/12 12:19	Analyzed:	02/29/12 20:57
Solids:		Preparation:	EXT_3510	Dilution:	25

Batch: 2B23012 Sequence: 2C06116 Calibration: 2061006 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	52.6	2.40	2.40	2.40	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01878	97.6	30 - 140	D

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05	File ID:	014F1401.D
Sampled:	02/23/12 09:32	Prepared:	02/24/12 12:19	Analyzed:	02/27/12 15:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23012 Sequence: 2B06036 Calibration: 2002005 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01492	79.1	30 - 140	X

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07	File ID:	017F1701.D
Sampled:	02/23/12 10:15	Prepared:	02/24/12 12:19	Analyzed:	02/27/12 17:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23012 Sequence: 2B06036 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.0935	0.0935	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01673	89.5	30 - 140	X

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09	File ID:	018F1801.D
Sampled:	02/23/12 14:05	Prepared:	02/24/12 12:19	Analyzed:	02/27/12 17:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2B23012 Sequence: 2B06036 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	0.01590	81.1	30 - 140	X

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B21004	Laboratory ID:	2B21004-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	0.7612	76.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.7142	71.4	6.37	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B22005	Laboratory ID:	2B22005-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	0.6030	60.3	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.6253	62.5	3.62	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23012	Laboratory ID:	2B23012-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	0.5828	58.3	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.5901	59.0	1.24	50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B23012

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9615	ND	0.6859	71.3		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9804	0.6156	62.8	10.8		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B21004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0389	1202137-01	02/21/12 15:34	1,060.00	1.00
GW0390	1202137-03	02/21/12 15:34	1,050.00	1.00
GW0444	1202137-05	02/21/12 15:34	1,050.00	1.00
GW0449	1202137-07	02/21/12 15:34	500.00	0.50
GW0450	1202137-09	02/21/12 15:34	500.00	0.50
Blank	2B21004-BLK1	02/21/12 09:46	1,000.00	1.00
LCS	2B21004-BS1	02/21/12 09:46	1,000.00	1.00
LCS Dup	2B21004-BSD1	02/21/12 09:46	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B22005 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0451	1202147-01	02/22/12 14:13	1,060.00	1.00
GW0464	1202147-03	02/22/12 14:13	1,060.00	1.00
GW0476	1202147-05	02/22/12 14:13	1,070.00	1.00
GW0478	1202147-07	02/22/12 14:13	1,040.00	1.00
Blank	2B22005-BLK1	02/22/12 09:31	1,000.00	1.00
LCS	2B22005-BS1	02/22/12 09:31	1,000.00	1.00
LCS Dup	2B22005-BSD1	02/22/12 09:31	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B23012 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0440	1202153-01	02/24/12 10:22	1,040.00	1.00
GW0457	1202153-03	02/24/12 10:22	1,040.00	1.00
GW0462	1202153-05	02/24/12 10:22	1,020.00	1.00
GW0463	1202153-07	02/24/12 10:22	1,060.00	1.00
GW0477	1202153-09	02/24/12 10:22	1,000.00	1.00
GW0399	1202159-01	02/24/12 12:19	1,040.00	1.00
GW0438	1202159-03	02/24/12 12:19	1,040.00	1.00
GW0439	1202159-05	02/24/12 12:19	1,060.00	1.00
GW0455	1202159-07	02/24/12 12:19	1,070.00	1.00
GW0456	1202159-09	02/24/12 12:19	1,020.00	1.00
Blank	2B23012-BLK1	02/24/12 10:22	1,000.00	1.00
LCS	2B23012-BS1	02/24/12 10:22	1,000.00	1.00
LCS Dup	2B23012-BSD1	02/24/12 10:22	1,000.00	1.00
GW0439	2B23012-MS1	02/24/12 12:19	1,040.00	1.00
GW0439	2B23012-MSD1	02/24/12 12:19	1,020.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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 STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06115	Instrument:	GL-GCFID2
Calibration:	2061006		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11K0386	DRO ICAL1@100ppm	2C06115-CAL1	004F0401.D	02/29/12 15:24
11K0385	DRO ICAL2@250ppm	2C06115-CAL2	005F0501.D	02/29/12 15:58
11K0384	DRO ICAL3@500ppm	2C06115-CAL3	006F0601.D	02/29/12 16:31
11K0383	DRO ICAL4@1000ppm	2C06115-CAL4	007F0701.D	02/29/12 17:04
11K0382	DRO ICAL5@2500ppm	2C06115-CAL5	008F0801.D	02/29/12 17:38
11K0381	DRO ICAL6@5000ppm	2C06115-CAL6	009F0901.D	02/29/12 18:11

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045	
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 DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2061006	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	2/29/12_15:24	2/29/12_18:11

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	529.09	250	516.668	500	609.254	1000	699.496	2500	809.1732	5000	1084.805
o-Terphenyl	5	1109.8	12.5	1068.64	25	1134.96	50	1134.24	125	1155.368	250	1149.004

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2061006	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	2/29/12 15:24	2/29/12 18:11

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	708.081	30.33304	5.667	1.081227E-02		0.9998845	0.99	
o-Terphenyl	1125.335	2.835199	10.8375	0.1259237			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2061006
Lab File ID:	010F1001.D	Calibration Date:	02/29/12 15:24
Sequence:	2C06115	Injection Date:	02/29/12
Lab Sample ID:	2C06115-ICV1	Injection Time:	18:44

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1150	708.081	827.12		15.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05405	Injection Date:	02/22/12
Lab Sample ID:	2B05405-CCV1	Injection Time:	09:28

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	848.8	917.426	778.724		-15.1	20
o-Terphenyl	A	50.00	55.76	1141.052	1272.54		11.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	015F1501.D	Calibration Date:	01/02/12 23:46
Sequence:	2B05405	Injection Date:	02/22/12
Lab Sample ID:	2B05405-CCV2	Injection Time:	16:21

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	899.6	917.426	825.309		-10.0	20
o-Terphenyl	A	50.00	57.72	1141.052	1317.14		15.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	022F2201.D	Calibration Date:	01/02/12 23:46
Sequence:	2B05804	Injection Date:	02/24/12
Lab Sample ID:	2B05804-CCV1	Injection Time:	00:04

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	973.6	917.426	893.18		-2.6	20
o-Terphenyl	A	50.00	59.45	1141.052	1356.76		18.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	034F3401.D	Calibration Date:	01/02/12 23:46
Sequence:	2B05804	Injection Date:	02/24/12
Lab Sample ID:	2B05804-CCV2	Injection Time:	06:41

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	906.6	917.426	831.707		-9.3	20
o-Terphenyl	A	50.00	56.59	1141.052	1291.4		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_045
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:	2B06036	Injection Date:	02/27/12
Lab Sample ID:	2B06036-CCV1	Injection Time:	09:38

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	921.3	917.426	845.244		-7.9	20
o-Terphenyl	A	50.00	59.20	1141.052	1351.12		18.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2002005
Lab File ID:	019F1901.D	Calibration Date:	01/02/12 23:46
Sequence:	2B06036	Injection Date:	02/27/12
Lab Sample ID:	2B06036-CCV2	Injection Time:	18:31

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1008	917.426	925.202		0.8	20
o-Terphenyl	A	50.00	61.65	1141.052	1406.94		23.3	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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2061006
Lab File ID:	011F1101.D	Calibration Date:	02/29/12 15:24
Sequence:	2C06116	Injection Date:	02/29/12
Lab Sample ID:	2C06116-CCV1	Injection Time:	19:17

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	881.5	708.081	614.333		-11.8	20
o-Terphenyl	A	50.00	46.21	1125.335	1040		-7.6	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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2061006
Lab File ID:	015F1501.D	Calibration Date:	02/29/12 15:24
Sequence:	2C06116	Injection Date:	02/29/12
Lab Sample ID:	2C06116-CCV2	Injection Time:	21:30

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	917.3	708.081	642.356		-8.3	20
o-Terphenyl	A	50.00	46.47	1125.335	1045.82		-7.1	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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05405	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05405-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 02/22/12 09:28		
o-Terphenyl	50.00	112	80 - 120	10.87	10.87	0.0000	+/-0.050	
Blank (2B21004-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/22/12 10:12		
o-Terphenyl	0.02000	105	30 - 140	10.93	10.87	0.0600	+/-0.050	*
LCS (2B21004-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/22/12 10:45		
o-Terphenyl	0.02000	111	30 - 140	10.87	10.87	0.0000	+/-0.050	
LCS Dup (2B21004-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/22/12 11:18		
o-Terphenyl	0.02000	108	30 - 140	10.87	10.87	0.0000	+/-0.050	
GW0449 (1202137-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/22/12 13:30		
o-Terphenyl	0.02000	56.0	30 - 140	10.88	10.87	0.0100	+/-0.050	
GW0450 (1202137-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/22/12 14:04		
o-Terphenyl	0.02000	49.8	30 - 140	10.876	10.87	0.0060	+/-0.050	
Blank (2B22005-BLK1) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/22/12 14:42		
o-Terphenyl	0.02000	94.9	30 - 140	10.893	10.87	0.0230	+/-0.050	
LCS (2B22005-BS1) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/22/12 15:15		
o-Terphenyl	0.02000	95.5	30 - 140	10.866	10.87	-0.0040	+/-0.050	
LCS Dup (2B22005-BSD1) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/22/12 15:48		
o-Terphenyl	0.02000	101	30 - 140	10.86	10.87	-0.0100	+/-0.050	
Calibration Check (2B05405-CCV2) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/22/12 16:21		
o-Terphenyl	50.00	115	80 - 120	10.85	10.87	-0.0200	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05804	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05804-CCV1) mg/L				Lab File ID: 022F2201.D		Analyzed: 02/24/12 00:04		
o-Terphenyl	50.00	119	80 - 120	10.83	10.83	0.0000	+/-0.050	
GW0451 (1202147-01) mg/L				Lab File ID: 023F2301.D		Analyzed: 02/24/12 00:37		
o-Terphenyl	0.01887	98.0	30 - 140	10.83	10.83	0.0000	+/-0.050	
GW0464 (1202147-03) mg/L				Lab File ID: 024F2401.D		Analyzed: 02/24/12 01:10		
o-Terphenyl	0.01887	96.9	30 - 140	10.843	10.83	0.0130	+/-0.050	
GW0476 (1202147-05) mg/L				Lab File ID: 025F2501.D		Analyzed: 02/24/12 01:43		
o-Terphenyl	0.01869	91.6	30 - 140	10.823	10.83	-0.0070	+/-0.050	
GW0478 (1202147-07) mg/L				Lab File ID: 026F2601.D		Analyzed: 02/24/12 02:16		
o-Terphenyl	0.01923	101	30 - 140	10.85	10.83	0.0200	+/-0.050	
GW0389 (1202137-01) mg/L				Lab File ID: 027F2701.D		Analyzed: 02/24/12 02:49		
o-Terphenyl	0.01887	92.5	30 - 140	10.83	10.83	0.0000	+/-0.050	
GW0390 (1202137-03) mg/L				Lab File ID: 028F2801.D		Analyzed: 02/24/12 03:22		
o-Terphenyl	0.01905	90.9	30 - 140	10.833	10.83	0.0030	+/-0.050	
GW0444 (1202137-05) mg/L				Lab File ID: 029F2901.D		Analyzed: 02/24/12 03:56		
o-Terphenyl	0.01905	97.4	30 - 140	10.83	10.83	0.0000	+/-0.050	
Calibration Check (2B05804-CCV2) mg/L				Lab File ID: 034F3401.D		Analyzed: 02/24/12 06:41		
o-Terphenyl	50.00	113	80 - 120	10.84	10.83	0.0100	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B06036	Instrument:	GL-GCFID2
		Calibration:	2002005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B06036-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 02/27/12 09:38		
o-Terphenyl	50.00	118	80 - 120	10.84	10.84	0.0000	+/-0.050	
LCS (2B23012-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/27/12 10:12		
o-Terphenyl	0.02000	101	30 - 140	10.846	10.84	0.0060	+/-0.050	
LCS Dup (2B23012-BSD1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/27/12 10:45		
o-Terphenyl	0.02000	94.5	30 - 140	10.843	10.84	0.0030	+/-0.050	
Blank (2B23012-BLK1) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/27/12 11:19		
o-Terphenyl	0.02000	105	30 - 140	10.863	10.84	0.0230	+/-0.050	
GW0440 (1202153-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/27/12 11:52		
o-Terphenyl	0.01923	87.3	30 - 140	10.86	10.84	0.0200	+/-0.050	
GW0457 (1202153-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/27/12 12:25		
o-Terphenyl	0.01923	101	30 - 140	10.86	10.84	0.0200	+/-0.050	
GW0477 (1202153-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/27/12 14:05		
o-Terphenyl	0.02000	102	30 - 140	10.846	10.84	0.0060	+/-0.050	
GW0399 (1202159-01) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/27/12 14:39		
o-Terphenyl	0.01923	97.0	30 - 140	10.853	10.84	0.0130	+/-0.050	
GW0439 (1202159-05) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/27/12 15:45		
o-Terphenyl	0.01887	79.1	30 - 140	10.85	10.84	0.0100	+/-0.050	
Matrix Spike (2B23012-MS1) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/27/12 16:18		
o-Terphenyl	0.01923	98.6	30 - 140	10.83	10.84	-0.0100	+/-0.050	
Matrix Spike Dup (2B23012-MSD1) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/27/12 16:51		
o-Terphenyl	0.01961	89.3	30 - 140	10.833	10.84	-0.0070	+/-0.050	
GW0455 (1202159-07) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/27/12 17:25		
o-Terphenyl	0.01869	89.5	30 - 140	10.843	10.84	0.0030	+/-0.050	
GW0456 (1202159-09) mg/L				Lab File ID: 018F1801.D		Analyzed: 02/27/12 17:58		
o-Terphenyl	0.01961	81.1	30 - 140	10.843	10.84	0.0030	+/-0.050	
Calibration Check (2B06036-CCV2) mg/L				Lab File ID: 019F1901.D		Analyzed: 02/27/12 18:31		
o-Terphenyl	50.00	123	80 - 120	10.823	10.84	-0.0170	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06116	Instrument:	GL-GCFID2
		Calibration:	2061006

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2C06116-CCV1) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/29/12 19:17		
o-Terphenyl	50.00	92.4	80 - 120	10.81	10.81	0.0000	+/-0.050	
GW0462 (1202153-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/29/12 19:51		
o-Terphenyl	0.01961	89.6	30 - 140	10.816	10.81	0.0060	+/-0.050	
GW0463 (1202153-07) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/29/12 20:24		
o-Terphenyl	0.01887	103	30 - 140	10.813	10.81	0.0030	+/-0.050	
GW0438 (1202159-03) mg/L				Lab File ID: 014F1401.D		Analyzed: 02/29/12 20:57		
o-Terphenyl	0.01923	97.6	30 - 140	10.81	10.81	0.0000	+/-0.050	
Calibration Check (2C06116-CCV2) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/29/12 21:30		
o-Terphenyl	50.00	92.9	80 - 120	10.796	10.81	-0.0140	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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
GW0389	02/16/12 15:09	02/20/12 08:00	02/21/12 15:34	4.98	7.00	02/24/12 02:49	2.47	40.00	
GW0390	02/16/12 15:09	02/20/12 08:00	02/21/12 15:34	4.98	7.00	02/24/12 03:22	2.49	40.00	
GW0444	02/17/12 11:07	02/20/12 08:00	02/21/12 15:34	4.14	7.00	02/24/12 03:56	2.52	40.00	
GW0449	02/17/12 11:47	02/20/12 08:00	02/21/12 15:34	4.12	7.00	02/22/12 13:30	0.91	40.00	
GW0450	02/17/12 11:47	02/20/12 08:00	02/21/12 15:34	4.12	7.00	02/22/12 14:04	0.94	40.00	
GW0451	02/21/12 12:16	02/22/12 08:20	02/22/12 14:13	1.04	7.00	02/24/12 00:37	1.43	40.00	
GW0464	02/21/12 12:35	02/22/12 08:20	02/22/12 14:13	1.03	7.00	02/24/12 01:10	1.46	40.00	
GW0476	02/20/12 15:27	02/22/12 08:20	02/22/12 14:13	1.91	7.00	02/24/12 01:43	1.48	40.00	
GW0478	02/20/12 12:17	02/22/12 08:20	02/22/12 14:13	2.04	7.00	02/24/12 02:16	1.50	40.00	
GW0440	02/22/12 14:14	02/23/12 08:30	02/24/12 10:22	1.80	7.00	02/27/12 11:52	3.06	40.00	
GW0457	02/22/12 11:27	02/23/12 08:30	02/24/12 10:22	1.91	7.00	02/27/12 12:25	3.09	40.00	
GW0462	02/21/12 15:11	02/23/12 08:30	02/24/12 10:22	2.76	7.00	02/29/12 19:51	5.40	40.00	
GW0463	02/22/12 10:23	02/23/12 08:30	02/24/12 10:22	1.96	7.00	02/29/12 20:24	5.42	40.00	
GW0477	02/21/12 15:41	02/23/12 08:30	02/24/12 10:22	2.74	7.00	02/27/12 14:05	3.15	40.00	
GW0399	02/22/12 15:47	02/24/12 08:30	02/24/12 12:19	1.81	7.00	02/27/12 14:39	3.10	40.00	
GW0438	02/23/12 12:32	02/24/12 08:30	02/24/12 12:19	0.95	7.00	02/29/12 20:57	5.36	40.00	
GW0439	02/23/12 09:32	02/24/12 08:30	02/24/12 12:19	1.07	7.00	02/27/12 15:45	3.14	40.00	
GW0455	02/23/12 10:15	02/24/12 08:30	02/24/12 12:19	1.04	7.00	02/27/12 17:25	3.21	40.00	
GW0456	02/23/12 14:05	02/24/12 08:30	02/24/12 12:19	0.88	7.00	02/27/12 17:58	3.24	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B21004-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/22/12 10:12
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B21004	Sequence:	2B05405	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	0.02094	105	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B21004-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/22/12 10:45
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B21004	Sequence:	2B05405	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7612	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02228	111	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B21004-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	02/22/12 11:18
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2B21004 Sequence: 2B05405 Calibration: 2002005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7142	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02166	108	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22005-BLK1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	02/22/12 14:42
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B22005	Sequence:	2B05405	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	0.01897	94.9	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22005-BS1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	02/22/12 15:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B22005	Sequence:	2B05405	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6030	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01910	95.5	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22005-BSD1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	02/22/12 15:48
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B22005	Sequence:	2B05405	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6253	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02029	101	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B23012-BLK1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	02/27/12 11:19
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B23012	Sequence:	2B06036	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	0.02101	105	30 - 140	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B23012-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/27/12 10:12
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B23012	Sequence:	2B06036	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5828	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02021	101	30 - 140	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B23012-BSD1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/27/12 10:45
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B23012	Sequence:	2B06036	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5901	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01891	94.5	30 - 140	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B23012-MS1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	02/27/12 16:18
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B23012	Sequence:	2B06036	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6859	0.0962	0.0962	0.0962	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01896	98.6	30 - 140	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B23012-MSD1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	02/27/12 16:51
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2B23012	Sequence:	2B06036	Calibration:	2002005	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6156	0.0980	0.0980	0.0980	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01752	89.3	30 - 140	X

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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
GW0444	1202137-05	015F1501.D	02/21/12 19:25
GW0449	1202137-07	016F1601.D	02/21/12 20:04
GW0450	1202137-09	017F1701.D	02/21/12 20:43
Calibration Check	2B05411-CCV2	018F1801.D	02/21/12 21:22

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05501	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05501-CCV1	003F0301.D	02/22/12 13:43
LCS	2B22013-BS1	004F0401.D	02/22/12 14:46
Blank	2B22013-BLK1	005F0501.D	02/22/12 15:25
GW0451	1202147-01	006F0601.D	02/22/12 16:05
GW0464	1202147-03	007F0701.D	02/22/12 16:44
GW0464	2B22013-MS1	008F0801.D	02/22/12 17:24
GW0464	2B22013-MSD1	009F0901.D	02/22/12 18:03
GW0476	1202147-05	010F1001.D	02/22/12 18:42
GW0478	1202147-07	011F1101.D	02/22/12 19:22
GW0389	1202137-01RE1	012F1201.D	02/22/12 20:01
GW0390	1202137-03RE1	013F1301.D	02/22/12 20:40
Calibration Check	2B05501-CCV2	015F1501.D	02/22/12 21:58

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05506	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05506-CCV1	003F0301.D	02/23/12 15:26
LCS	2B23010-BS1	004F0401.D	02/23/12 16:06
Blank	2B23010-BLK1	005F0501.D	02/23/12 16:46
GW0440	1202153-01	006F0601.D	02/23/12 17:26
GW0440	2B23010-MS1	007F0701.D	02/23/12 18:05
GW0440	2B23010-MSD1	008F0801.D	02/23/12 18:46
GW0457	1202153-03	009F0901.D	02/23/12 19:25
GW0477	1202153-09	012F1201.D	02/23/12 21:24
Calibration Check	2B05506-CCV2	013F1301.D	02/23/12 22:04

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06601	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2C06601-CCV1	005F0501.D	03/05/12 12:41
LCS	2C01004-BS1	006F0601.D	03/05/12 13:20
Blank	2C01004-BLK1	007F0701.D	03/05/12 14:00
GW0462	1202153-05RE1	008F0801.D	03/05/12 14:39
GW0463	1202153-07RE1	009F0901.D	03/05/12 15:19
Calibration Check	2C06601-CCV2	010F1001.D	03/05/12 15:59

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06710	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2C06710-CCV1	004F0401.D	03/06/12 12:17
LCS	2C06603-BS1	006F0601.D	03/06/12 13:58
Blank	2C06603-BLK1	007F0701.D	03/06/12 14:37
GW0399	1202159-01RE1	008F0801.D	03/06/12 15:17
GW0455	1202159-07RE1	013F1301.D	03/06/12 18:33
GW0456	1202159-09RE1	014F1401.D	03/06/12 19:12
Calibration Check	2C06710-CCV2	020F2001.D	03/06/12 23:07

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06804	Instrument:	GL-GCVOA2
Calibration:	2052002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2C06804-CCV1	003F0301.D	03/07/12 13:14
LCS	2C07017-BS1	004F0401.D	03/07/12 14:19
Blank	2C07017-BLK1	005F0501.D	03/07/12 14:58
GW0438	1202159-03RE3	006F0601.D	03/07/12 15:38
GW0439	1202159-05RE1	007F0701.D	03/07/12 16:17
GW0439	2C07017-MS1	008F0801.D	03/07/12 16:56
GW0439	2C07017-MSD1	009F0901.D	03/07/12 17:36
Calibration Check	2C06804-CCV2	011F1101.D	03/07/12 18:55

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01RE1	File ID:	012F1201.D
Sampled:	02/16/12 15:09	Prepared:	02/22/12 11:35	Analyzed:	02/22/12 20:01
Solids:		Preparation:	8015GRO	Dilution:	10

Batch: 2B22013 Sequence: 2B05501 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	30.1	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05887	118	50 - 150	

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03RE1	File ID:	013F1301.D
Sampled:	02/16/12 15:09	Prepared:	02/22/12 11:35	Analyzed:	02/22/12 20:40
Solids:		Preparation:	8015GRO	Dilution:	10

Batch: 2B22013 Sequence: 2B05501 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	31.6	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06189	124	50 - 150	

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05	File ID:	015F1501.D
Sampled:	02/17/12 11:07	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 19:25
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)	1.61	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06118	122	50 - 150	

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07	File ID:	016F1601.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 20:04
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	0.05671	113	50 - 150	

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09	File ID:	017F1701.D
Sampled:	02/17/12 11:47	Prepared:	02/21/12 07:00	Analyzed:	02/21/12 20:43
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	0.05670	113	50 - 150	

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01	File ID:	006F0601.D
Sampled:	02/21/12 12:16	Prepared:	02/22/12 11:35	Analyzed:	02/22/12 16:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B22013 Sequence: 2B05501 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	0.06088	122	50 - 150	

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03	File ID:	007F0701.D
Sampled:	02/21/12 12:35	Prepared:	02/22/12 11:35	Analyzed:	02/22/12 16:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B22013 Sequence: 2B05501 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	0.06021	120	50 - 150	

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05	File ID:	010F1001.D
Sampled:	02/20/12 15:27	Prepared:	02/22/12 11:35	Analyzed:	02/22/12 18:42
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B22013 Sequence: 2B05501 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.467	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05994	120	50 - 150	

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07	File ID:	011F1101.D
Sampled:	02/20/12 12:17	Prepared:	02/22/12 11:35	Analyzed:	02/22/12 19:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B22013 Sequence: 2B05501 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	0.06005	120	50 - 150	

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01	File ID:	006F0601.D
Sampled:	02/22/12 14:14	Prepared:	02/23/12 13:30	Analyzed:	02/23/12 17:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B23010 Sequence: 2B05506 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	0.06021	120	50 - 150	X

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03	File ID:	009F0901.D
Sampled:	02/22/12 11:27	Prepared:	02/23/12 13:30	Analyzed:	02/23/12 19:25
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B23010 Sequence: 2B05506 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	0.06379	128	50 - 150	X

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05RE1	File ID:	008F0801.D
Sampled:	02/21/12 15:11	Prepared:	03/05/12 07:20	Analyzed:	03/05/12 14:39
Solids:		Preparation:	8015GRO	Dilution:	10

Batch: 2C01004 Sequence: 2C06601 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	27.5	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06436	129	50 - 150	

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07RE1	File ID:	009F0901.D
Sampled:	02/22/12 10:23	Prepared:	03/05/12 07:20	Analyzed:	03/05/12 15:19
Solids:		Preparation:	8015GRO	Dilution:	5

Batch: 2C01004 Sequence: 2C06601 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	9.27	0.250	0.500	0.750	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06004	120	50 - 150	

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09	File ID:	012F1201.D
Sampled:	02/21/12 15:41	Prepared:	02/23/12 13:30	Analyzed:	02/23/12 21:24
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2B23010 Sequence: 2B05506 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.42	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06629	133	50 - 150	X

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01RE1	File ID:	008F0801.D
Sampled:	02/22/12 15:47	Prepared:	03/06/12 09:05	Analyzed:	03/06/12 15:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2C06603 Sequence: 2C06710 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	0.03095	61.9	50 - 150	

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03RE3	File ID:	006F0601.D
Sampled:	02/23/12 12:32	Prepared:	03/07/12 11:11	Analyzed:	03/07/12 15:38
Solids:		Preparation:	8015GRO	Dilution:	10

Batch: 2C07017 Sequence: 2C06804 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	29.8	0.500	1.00	1.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04685	93.7	50 - 150	

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05RE1	File ID:	007F0701.D
Sampled:	02/23/12 09:32	Prepared:	03/07/12 11:11	Analyzed:	03/07/12 16:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2C07017 Sequence: 2C06804 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0895	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05092	102	50 - 150	

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07RE1	File ID:	013F1301.D
Sampled:	02/23/12 10:15	Prepared:	03/06/12 09:05	Analyzed:	03/06/12 18:33
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2C06603 Sequence: 2C06710 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0600	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.02547	50.9	50 - 150	

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09RE1	File ID:	014F1401.D
Sampled:	02/23/12 14:05	Prepared:	03/06/12 09:05	Analyzed:	03/06/12 19:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2C06603 Sequence: 2C06710 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	0.02712	54.2	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B22013	Laboratory ID:	2B22013-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	0.4326	86.5	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B23010	Laboratory ID:	2B23010-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	0.4906	98.1	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2C01004	Laboratory ID:	2C01004-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	0.4414	88.3	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2C06603	Laboratory ID:	2C06603-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	0.4122	82.4	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2C07017	Laboratory ID:	2C07017-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	0.4418	88.4	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0464

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B22013

% Solids:

Source Sample Name: **1202147-03**

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	0.4714	94.3		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4992	99.8	5.73		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0440

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B23010

% Solids:

Source Sample Name: **1202153-01**

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	0.4952	99.0		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	0.5229	105	5.43		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2C07017

% Solids:

Source Sample Name: **1202159-05RE1**

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	0.08948	0.4937	80.8		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	0.4653	75.2	5.92		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0444	1202137-05	02/21/12 07:00	5.00	5.00
GW0449	1202137-07	02/21/12 07:00	5.00	5.00
GW0450	1202137-09	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

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B22013 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0389	1202137-01RE1	02/22/12 11:35	5.00	5.00
GW0390	1202137-03RE1	02/22/12 11:35	5.00	5.00
GW0451	1202147-01	02/22/12 11:35	5.00	5.00
GW0464	1202147-03	02/22/12 11:35	5.00	5.00
GW0476	1202147-05	02/22/12 11:35	5.00	5.00
GW0478	1202147-07	02/22/12 11:35	5.00	5.00
Blank	2B22013-BLK1	02/22/12 11:35	5.00	5.00
LCS	2B22013-BS1	02/22/12 11:35	5.00	5.00
GW0464	2B22013-MS1	02/22/12 11:35	5.00	5.00
GW0464	2B22013-MSD1	02/22/12 11:35	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B23010 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0440	1202153-01	02/23/12 13:30	5.00	5.00
GW0457	1202153-03	02/23/12 13:30	5.00	5.00
GW0477	1202153-09	02/23/12 13:30	5.00	5.00
Blank	2B23010-BLK1	02/23/12 13:30	5.00	5.00
LCS	2B23010-BS1	02/23/12 13:30	5.00	5.00
GW0440	2B23010-MS1	02/23/12 13:30	5.00	5.00
GW0440	2B23010-MSD1	02/23/12 13:30	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2C01004 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0462	1202153-05RE1	03/05/12 07:20	5.00	5.00
GW0463	1202153-07RE1	03/05/12 07:20	5.00	5.00
Blank	2C01004-BLK1	03/05/12 07:20	5.00	5.00
LCS	2C01004-BS1	03/05/12 07:20	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2C06603 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0399	1202159-01RE1	03/06/12 09:05	5.00	5.00
GW0455	1202159-07RE1	03/06/12 09:05	5.00	5.00
GW0456	1202159-09RE1	03/06/12 09:05	5.00	5.00
Blank	2C06603-BLK1	03/06/12 09:05	5.00	5.00
LCS	2C06603-BS1	03/06/12 09:05	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2C07017 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0438	1202159-03RE3	03/07/12 11:11	5.00	5.00
GW0439	1202159-05RE1	03/07/12 11:11	5.00	5.00
Blank	2C07017-BLK1	03/07/12 11:11	5.00	5.00
LCS	2C07017-BS1	03/07/12 11:11	5.00	5.00
GW0439	2C07017-MS1	03/07/12 11:11	5.00	5.00
GW0439	2C07017-MSD1	03/07/12 11:11	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045	
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_045	
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_045
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_045
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_045
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

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05501	Injection Date:	02/22/12
Lab Sample ID:	2B05501-CCV1	Injection Time:	13:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4808	1599933	1538652		-3.8	20
Bromofluorobenzene	A	0.05000	0.05490	949938.7	1043000		9.8	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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	015F1501.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05501	Injection Date:	02/22/12
Lab Sample ID:	2B05501-CCV2	Injection Time:	21:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4485	1599933	1435124		-10.3	20
Bromofluorobenzene	A	0.05000	0.04844	949938.7	920320		-3.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05506	Injection Date:	02/23/12
Lab Sample ID:	2B05506-CCV1	Injection Time:	15:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4891	1599933	1565082		-2.2	20
Bromofluorobenzene	A	0.05000	0.06030	949938.7	1145700		20.6	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	013F1301.D	Calibration Date:	02/17/12 00:00
Sequence:	2B05506	Injection Date:	02/23/12
Lab Sample ID:	2B05506-CCV2	Injection Time:	22:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5039	1599933	1612348		0.8	20
Bromofluorobenzene	A	0.05000	0.05946	949938.7	1129660		18.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	005F0501.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06601	Injection Date:	03/05/12
Lab Sample ID:	2C06601-CCV1	Injection Time:	12:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4595	1599933	1470216		-8.1	20
Bromofluorobenzene	A	0.05000	0.05945	949938.7	1129540		18.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	010F1001.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06601	Injection Date:	03/05/12
Lab Sample ID:	2C06601-CCV2	Injection Time:	15:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4522	1599933	1446900		-9.6	20
Bromofluorobenzene	A	0.05000	0.05529	949938.7	1050400		10.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	004F0401.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06710	Injection Date:	03/06/12
Lab Sample ID:	2C06710-CCV1	Injection Time:	12:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4768	1599933	1525678		-4.6	20
Bromofluorobenzene	A	0.05000	0.05003	949938.7	950520		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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2052002
Lab File ID:	020F2001.D	Calibration Date:	02/17/12 00:00
Sequence:	2C06710	Injection Date:	03/06/12
Lab Sample ID:	2C06710-CCV2	Injection Time:	23:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4683	1599933	1498370		-6.3	20
Bromofluorobenzene	A	0.05000	0.05245	949938.7	996500		4.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2C06804	Injection Date:	03/07/12
Lab Sample ID:	2C06804-CCV1	Injection Time:	13:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4815	1599933	1540802		-3.7	20
Bromofluorobenzene	A	0.05000	0.04591	949938.7	872280		-8.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2C06804	Injection Date:	03/07/12
Lab Sample ID:	2C06804-CCV2	Injection Time:	18:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4590	1599933	1468892		-8.2	20
Bromofluorobenzene	A	0.05000	0.04620	949938.7	877660		-7.6	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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	
GW0444 (1202137-05) mg/L				Lab File ID: 015F1501.D		Analyzed: 02/21/12 19:25		
Bromofluorobenzene	0.05000	122	50 - 150	20.276	20.266	0.0100	+/-0.210	
GW0449 (1202137-07) mg/L				Lab File ID: 016F1601.D		Analyzed: 02/21/12 20:04		
Bromofluorobenzene	0.05000	113	50 - 150	20.283	20.266	0.0170	+/-0.210	
GW0450 (1202137-09) mg/L				Lab File ID: 017F1701.D		Analyzed: 02/21/12 20:43		
Bromofluorobenzene	0.05000	113	50 - 150	20.283	20.266	0.0170	+/-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	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05501	Instrument:	GL-GCVOA2
		Calibration:	2052002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05501-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/22/12 13:43		
Bromofluorobenzene	0.05000	110	80 - 120	20.286	20.286	0.0000	+/-0.210	
LCS (2B22013-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/22/12 14:46		
Bromofluorobenzene	0.05000	96.7	50 - 150	20.29	20.286	0.0040	+/-0.210	
Blank (2B22013-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/22/12 15:25		
Bromofluorobenzene	0.05000	114	50 - 150	20.293	20.286	0.0070	+/-0.210	
GW0451 (1202147-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/22/12 16:05		
Bromofluorobenzene	0.05000	122	50 - 150	20.293	20.286	0.0070	+/-0.210	
GW0464 (1202147-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/22/12 16:44		
Bromofluorobenzene	0.05000	120	50 - 150	20.293	20.286	0.0070	+/-0.210	
Matrix Spike (2B22013-MS1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/22/12 17:24		
Bromofluorobenzene	0.05000	109	50 - 150	20.296	20.286	0.0100	+/-0.210	
Matrix Spike Dup (2B22013-MSD1) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/22/12 18:03		
Bromofluorobenzene	0.05000	117	50 - 150	20.296	20.286	0.0100	+/-0.210	
GW0476 (1202147-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 02/22/12 18:42		
Bromofluorobenzene	0.05000	120	50 - 150	20.296	20.286	0.0100	+/-0.210	
GW0478 (1202147-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 02/22/12 19:22		
Bromofluorobenzene	0.05000	120	50 - 150	20.3	20.286	0.0140	+/-0.210	
GW0389 (1202137-01RE1) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/22/12 20:01		
Bromofluorobenzene	0.05000	118	50 - 150	20.3	20.286	0.0140	+/-0.210	
GW0390 (1202137-03RE1) mg/L				Lab File ID: 013F1301.D		Analyzed: 02/22/12 20:40		
Bromofluorobenzene	0.05000	124	50 - 150	20.3	20.286	0.0140	+/-0.210	
Calibration Check (2B05501-CCV2) ug/mL				Lab File ID: 015F1501.D		Analyzed: 02/22/12 21:58		
Bromofluorobenzene	0.05000	96.9	80 - 120	20.3	20.286	0.0140	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05506	Instrument:	GL-GCVOA2
		Calibration:	2052002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2B05506-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 02/23/12 15:26		
Bromofluorobenzene	0.05000	121	80 - 120	20.29	20.29	0.0000	+/-0.210	*
LCS (2B23010-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 02/23/12 16:06		
Bromofluorobenzene	0.05000	122	50 - 150	20.29	20.29	0.0000	+/-0.210	
Blank (2B23010-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 02/23/12 16:46		
Bromofluorobenzene	0.05000	128	50 - 150	20.29	20.29	0.0000	+/-0.210	
GW0440 (1202153-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 02/23/12 17:26		
Bromofluorobenzene	0.05000	120	50 - 150	20.293	20.29	0.0030	+/-0.210	
Matrix Spike (2B23010-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 02/23/12 18:05		
Bromofluorobenzene	0.05000	109	50 - 150	20.29	20.29	0.0000	+/-0.210	
Matrix Spike Dup (2B23010-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 02/23/12 18:46		
Bromofluorobenzene	0.05000	110	50 - 150	20.293	20.29	0.0030	+/-0.210	
GW0457 (1202153-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 02/23/12 19:25		
Bromofluorobenzene	0.05000	128	50 - 150	20.293	20.29	0.0030	+/-0.210	
GW0477 (1202153-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 02/23/12 21:24		
Bromofluorobenzene	0.05000	133	50 - 150	20.293	20.29	0.0030	+/-0.210	
Calibration Check (2B05506-CCV2) ug/mL				Lab File ID: 013F1301.D		Analyzed: 02/23/12 22:04		
Bromofluorobenzene	0.05000	119	80 - 120	20.293	20.29	0.0030	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06601	Instrument:	GL-GCVOA2
		Calibration:	2052002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2C06601-CCV1) ug/mL				Lab File ID: 005F0501.D		Analyzed: 03/05/12 12:41		
Bromofluorobenzene	0.05000	119	80 - 120	20.243	20.243	0.0000	+/-0.210	
LCS (2C01004-BS1) mg/L				Lab File ID: 006F0601.D		Analyzed: 03/05/12 13:20		
Bromofluorobenzene	0.05000	117	50 - 150	20.243	20.243	0.0000	+/-0.210	
Blank (2C01004-BLK1) mg/L				Lab File ID: 007F0701.D		Analyzed: 03/05/12 14:00		
Bromofluorobenzene	0.05000	124	50 - 150	20.25	20.243	0.0070	+/-0.210	
GW0462 (1202153-05RE1) mg/L				Lab File ID: 008F0801.D		Analyzed: 03/05/12 14:39		
Bromofluorobenzene	0.05000	129	50 - 150	20.246	20.243	0.0030	+/-0.210	
GW0463 (1202153-07RE1) mg/L				Lab File ID: 009F0901.D		Analyzed: 03/05/12 15:19		
Bromofluorobenzene	0.05000	120	50 - 150	20.25	20.243	0.0070	+/-0.210	
Calibration Check (2C06601-CCV2) ug/mL				Lab File ID: 010F1001.D		Analyzed: 03/05/12 15:59		
Bromofluorobenzene	0.05000	111	80 - 120	20.25	20.243	0.0070	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06710	Instrument:	GL-GCVOA2
		Calibration:	2052002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2C06710-CCV1) ug/mL				Lab File ID: 004F0401.D		Analyzed: 03/06/12 12:17		
Bromofluorobenzene	0.05000	100	80 - 120	20.253	20.253	0.0000	+/-0.210	
LCS (2C06603-BS1) mg/L				Lab File ID: 006F0601.D		Analyzed: 03/06/12 13:58		
Bromofluorobenzene	0.05000	53.4	50 - 150	20.26	20.253	0.0070	+/-0.210	
Blank (2C06603-BLK1) mg/L				Lab File ID: 007F0701.D		Analyzed: 03/06/12 14:37		
Bromofluorobenzene	0.05000	119	50 - 150	20.26	20.253	0.0070	+/-0.210	
GW0399 (1202159-01RE1) mg/L				Lab File ID: 008F0801.D		Analyzed: 03/06/12 15:17		
Bromofluorobenzene	0.05000	61.9	50 - 150	20.263	20.253	0.0100	+/-0.210	
GW0455 (1202159-07RE1) mg/L				Lab File ID: 013F1301.D		Analyzed: 03/06/12 18:33		
Bromofluorobenzene	0.05000	50.9	50 - 150	20.27	20.253	0.0170	+/-0.210	
GW0456 (1202159-09RE1) mg/L				Lab File ID: 014F1401.D		Analyzed: 03/06/12 19:12		
Bromofluorobenzene	0.05000	54.2	50 - 150	20.27	20.253	0.0170	+/-0.210	
Calibration Check (2C06710-CCV2) ug/mL				Lab File ID: 020F2001.D		Analyzed: 03/06/12 23:07		
Bromofluorobenzene	0.05000	105	80 - 120	20.27	20.253	0.0170	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06804	Instrument:	GL-GCVOA2
		Calibration:	2052002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2C06804-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 03/07/12 13:14		
Bromofluorobenzene	0.05000	91.8	80 - 120	20.266	20.266	0.0000	+/-0.210	
LCS (2C07017-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 03/07/12 14:19		
Bromofluorobenzene	0.05000	50.5	50 - 150	20.27	20.266	0.0040	+/-0.210	
Blank (2C07017-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 03/07/12 14:58		
Bromofluorobenzene	0.05000	113	50 - 150	20.273	20.266	0.0070	+/-0.210	
GW0438 (1202159-03RE3) mg/L				Lab File ID: 006F0601.D		Analyzed: 03/07/12 15:38		
Bromofluorobenzene	0.05000	93.7	50 - 150	20.276	20.266	0.0100	+/-0.210	
GW0439 (1202159-05RE1) mg/L				Lab File ID: 007F0701.D		Analyzed: 03/07/12 16:17		
Bromofluorobenzene	0.05000	102	50 - 150	20.276	20.266	0.0100	+/-0.210	
Matrix Spike (2C07017-MS1) mg/L				Lab File ID: 008F0801.D		Analyzed: 03/07/12 16:56		
Bromofluorobenzene	0.05000	90.1	50 - 150	20.28	20.266	0.0140	+/-0.210	
Matrix Spike Dup (2C07017-MSD1) mg/L				Lab File ID: 009F0901.D		Analyzed: 03/07/12 17:36		
Bromofluorobenzene	0.05000	77.2	50 - 150	20.28	20.266	0.0140	+/-0.210	
Calibration Check (2C06804-CCV2) ug/mL				Lab File ID: 011F1101.D		Analyzed: 03/07/12 18:55		
Bromofluorobenzene	0.05000	92.4	80 - 120	20.276	20.266	0.0100	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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
GW0389	02/16/12 15:09	02/20/12 08:00	02/22/12 11:35	N/A	14.00	02/22/12 20:01	6.16	14.00	
GW0390	02/16/12 15:09	02/20/12 08:00	02/22/12 11:35	N/A	14.00	02/22/12 20:40	6.19	14.00	
GW0444	02/17/12 11:07	02/20/12 08:00	02/21/12 07:00	N/A	14.00	02/21/12 19:25	4.30	14.00	
GW0449	02/17/12 11:47	02/20/12 08:00	02/21/12 07:00	N/A	14.00	02/21/12 20:04	4.30	14.00	
GW0450	02/17/12 11:47	02/20/12 08:00	02/21/12 07:00	N/A	14.00	02/21/12 20:43	4.33	14.00	
GW0451	02/21/12 12:16	02/22/12 08:20	02/22/12 11:35	N/A	14.00	02/22/12 16:05	1.12	14.00	
GW0464	02/21/12 12:35	02/22/12 08:20	02/22/12 11:35	N/A	14.00	02/22/12 16:44	1.13	14.00	
GW0476	02/20/12 15:27	02/22/12 08:20	02/22/12 11:35	N/A	14.00	02/22/12 18:42	2.09	14.00	
GW0478	02/20/12 12:17	02/22/12 08:20	02/22/12 11:35	N/A	14.00	02/22/12 19:22	2.25	14.00	
GW0440	02/22/12 14:14	02/23/12 08:30	02/23/12 13:30	N/A	14.00	02/23/12 17:26	1.09	14.00	
GW0457	02/22/12 11:27	02/23/12 08:30	02/23/12 13:30	N/A	14.00	02/23/12 19:25	1.29	14.00	
GW0462	02/21/12 15:11	02/23/12 08:30	03/05/12 07:20	N/A	14.00	03/05/12 14:39	12.94	14.00	
GW0463	02/22/12 10:23	02/23/12 08:30	03/05/12 07:20	N/A	14.00	03/05/12 15:19	12.16	14.00	
GW0477	02/21/12 15:41	02/23/12 08:30	02/23/12 13:30	N/A	14.00	02/23/12 21:24	2.20	14.00	
GW0399	02/22/12 15:47	02/24/12 08:30	03/06/12 09:05	N/A	14.00	03/06/12 15:17	12.94	14.00	
GW0438	02/23/12 12:32	02/24/12 08:30	03/07/12 11:11	N/A	14.00	03/07/12 15:38	13.09	14.00	
GW0439	02/23/12 09:32	02/24/12 08:30	03/07/12 11:11	N/A	14.00	03/07/12 16:17	13.24	14.00	
GW0455	02/23/12 10:15	02/24/12 08:30	03/06/12 09:05	N/A	14.00	03/06/12 18:33	12.30	14.00	
GW0456	02/23/12 14:05	02/24/12 08:30	03/06/12 09:05	N/A	14.00	03/06/12 19:12	12.17	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_045	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B22013-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/22/12 15:25
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B22013 Sequence: 2B05501 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	0.05715	114	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22013-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/22/12 14:46
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B22013	Sequence:	2B05501	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4326	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04836	96.7	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_045	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B22013-MS1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/22/12 17:24
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B22013 Sequence: 2B05501 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4714	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05430	109	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B22013-MSD1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	02/22/12 18:03
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B22013	Sequence:	2B05501	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4992	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05860	117	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B23010-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	02/23/12 16:46
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B23010 Sequence: 2B05506 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	0.06408	128	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B23010-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	02/23/12 16:06
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B23010	Sequence:	2B05506	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4906	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06076	122	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B23010-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	02/23/12 18:05
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2B23010	Sequence:	2B05506	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4952	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05434	109	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_045	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2B23010-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	02/23/12 18:46
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2B23010 Sequence: 2B05506 Calibration: 2052002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5229	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05480	110	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2C01004-BLK1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	03/05/12 14:00
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2C01004	Sequence:	2C06601	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	0.06175	124	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2C01004-BS1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	03/05/12 13:20
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2C01004	Sequence:	2C06601	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4414	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05848	117	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2C06603-BLK1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	03/06/12 14:37
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2C06603 Sequence: 2C06710 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	0.05966	119	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2C06603-BS1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	03/06/12 13:58
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2C06603	Sequence:	2C06710	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4122	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.02668	53.4	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2C07017-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	03/07/12 14:58
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2C07017	Sequence:	2C06804	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	0.05649	113	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2C07017-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	03/07/12 14:19
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2C07017	Sequence:	2C06804	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4418	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.02524	50.5	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2C07017-MS1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	03/07/12 16:56
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2C07017	Sequence:	2C06804	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4937	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04505	90.1	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2C07017-MSD1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	03/07/12 17:36
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2C07017	Sequence:	2C06804	Calibration:	2052002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4653	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03862	77.2	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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	004F0101.D	02/23/12 11:28
LCS	2B22017-BS1	004R0101.D	02/23/12 11:28
GW0449	1202137-07	015R0101.D	02/23/12 15:27
GW0450	1202137-09	016R0101.D	02/23/12 15:49
Calibration Check	2B05806-CCV2	017R0101.D	02/23/12 16:10
Calibration Check	2B05806-CCV2	017F0101.D	02/23/12 16:10
GW0451	1202147-01	018R0101.D	02/23/12 16:32
GW0451	1202147-01	018F0101.D	02/23/12 16:32
GW0464	1202147-03	019R0101.D	02/23/12 16:53
GW0476	1202147-05	020F0101.D	02/23/12 17:14
GW0476	1202147-05	020R0101.D	02/23/12 17:14
GW0478	1202147-07	021F0101.D	02/23/12 17:36
Calibration Check	2B05806-CCV3	023R0101.D	02/23/12 18:18
Calibration Check	2B05806-CCV3	023F0101.D	02/23/12 18:18

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05808	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05808-CCV1	002R0101.D	02/24/12 11:09
Calibration Check	2B05808-CCV1	002F0101.D	02/24/12 11:09
GW0389	1202137-01RE2	005R0101.D	02/24/12 12:13
GW0389	1202137-01RE2	005F0101.D	02/24/12 12:13
GW0390	1202137-03RE3	008R0101.D	02/24/12 13:17
GW0390	1202137-03RE3	008F0101.D	02/24/12 13:17
GW0444	1202137-05RE1	010R0101.D	02/24/12 14:00
GW0444	1202137-05RE1	010F0101.D	02/24/12 14:00
Calibration Check	2B05808-CCV2	011R0101.D	02/24/12 14:21
Calibration Check	2B05808-CCV2	011F0101.D	02/24/12 14:21

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05910	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2B05910-CCV1	002F0101.D	02/27/12 11:28
Calibration Check	2B05910-CCV1	002R0101.D	02/27/12 11:28
Blank	2B27001-BLK1	003R0101.D	02/27/12 11:50
LCS	2B27001-BS1	004R0101.D	02/27/12 12:11
LCS	2B27001-BS1	004F0101.D	02/27/12 12:11
GW0440	1202153-01	005F0101.D	02/27/12 12:33
GW0457	1202153-03	006R0101.D	02/27/12 12:55
GW0457	1202153-03	006F0101.D	02/27/12 12:55
GW0477	1202153-09	009F0101.D	02/27/12 14:00
GW0477	1202153-09	009R0101.D	02/27/12 14:00
GW0399	1202159-01	010R0101.D	02/27/12 14:22
GW0439	1202159-05	012R0101.D	02/27/12 15:05
GW0439	2B27001-MS1	013F0101.D	02/27/12 15:26
GW0439	2B27001-MS1	013R0101.D	02/27/12 15:26
GW0439	2B27001-MSD1	014F0101.D	02/27/12 15:47
GW0439	2B27001-MSD1	014R0101.D	02/27/12 15:47
GW0455	1202159-07	015F0101.D	02/27/12 16:08
GW0455	1202159-07	015R0101.D	02/27/12 16:08
GW0456	1202159-09	016R0101.D	02/27/12 16:30
Calibration Check	2B05910-CCV2	017R0101.D	02/27/12 16:51
Calibration Check	2B05910-CCV2	017F0101.D	02/27/12 16:51

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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-CCV1	002R0101.D	02/28/12 11:38
Calibration Check	2B06040-CCV1	002F0101.D	02/28/12 11:38
GW0462	1202153-05RE1	003R0101.D	02/28/12 11:59
GW0462	1202153-05RE1	003F0101.D	02/28/12 11:59
GW0463	1202153-07RE1	004R0101.D	02/28/12 12:20
GW0463	1202153-07RE1	004F0101.D	02/28/12 12:20
GW0438	1202159-03RE2	006R0101.D	02/28/12 13:03
GW0438	1202159-03RE2	006F0101.D	02/28/12 13:03
Calibration Check	2B06040-CCV2	007R0101.D	02/28/12 13:25
Calibration Check	2B06040-CCV2	007F0101.D	02/28/12 13:25

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01RE2	File ID:	005F0101.D
Sampled:	02/16/12 15:09	Prepared:	02/23/12 07:00	Analyzed:	02/24/12 12:13
Solids:		Preparation:	EDB	Dilution:	100

Batch: 2B22017 Sequence: 2B05808 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	89.2	0.947	1.89	2.84	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03RE3	File ID:	008F0101.D
Sampled:	02/16/12 15:09	Prepared:	02/23/12 07:00	Analyzed:	02/24/12 13:17
Solids:		Preparation:	EDB	Dilution:	100

Batch: 2B22017 Sequence: 2B05808 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	81.3	0.950	1.90	2.85	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05RE1	File ID:	010R0101.D
Sampled:	02/17/12 11:07	Prepared:	02/23/12 07:00	Analyzed:	02/24/12 14:00
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2B22017 Sequence: 2B05808 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	3.02	0.0463	0.0927	0.139	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07	File ID:	015R0101.D
Sampled:	02/17/12 11:47	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 15:27
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		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09	File ID:	016R0101.D
Sampled:	02/17/12 11:47	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 15:49
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		0.00956	0.0191	0.0287	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01	File ID:	018R0101.D
Sampled:	02/21/12 12:16	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 16:32
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]	0.353	0.00945	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03	File ID:	019R0101.D
Sampled:	02/21/12 12:35	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 16:53
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		0.00944	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05	File ID:	020R0101.D
Sampled:	02/20/12 15:27	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 17:14
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]	0.124	0.00942	0.0188	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07	File ID:	021F0101.D
Sampled:	02/20/12 12:17	Prepared:	02/23/12 07:00	Analyzed:	02/23/12 17:36
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		0.00938	0.0188	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01	File ID:	005F0101.D
Sampled:	02/22/12 14:14	Prepared:	02/27/12 07:08	Analyzed:	02/27/12 12:33
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B27001 Sequence: 2B05910 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

GW0457

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03	File ID:	006R0101.D
Sampled:	02/22/12 11:27	Prepared:	02/27/12 07:08	Analyzed:	02/27/12 12:55
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B27001 Sequence: 2B05910 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.116	0.00933	0.0187	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05RE1	File ID:	003F0101.D
Sampled:	02/21/12 15:11	Prepared:	02/27/12 07:08	Analyzed:	02/28/12 11:59
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2B27001 Sequence: 2B06040 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	1.59	0.0472	0.0944	0.142	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07RE1	File ID:	004R0101.D
Sampled:	02/22/12 10:23	Prepared:	02/27/12 07:08	Analyzed:	02/28/12 12:20
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2B27001 Sequence: 2B06040 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	1.36	0.0470	0.0940	0.141	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09	File ID:	009R0101.D
Sampled:	02/21/12 15:41	Prepared:	02/27/12 07:08	Analyzed:	02/27/12 14:00
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B27001 Sequence: 2B05910 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.121	0.00955	0.0191	0.0286	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01	File ID:	010R0101.D
Sampled:	02/22/12 15:47	Prepared:	02/27/12 07:08	Analyzed:	02/27/12 14:22
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B27001 Sequence: 2B05910 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00948	0.0190	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03RE2	File ID:	006R0101.D
Sampled:	02/23/12 12:32	Prepared:	02/27/12 07:08	Analyzed:	02/28/12 13:03
Solids:		Preparation:	EDB	Dilution:	1000

Batch: 2B27001 Sequence: 2B06040 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	178	9.41	18.8	28.2	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05	File ID:	012R0101.D
Sampled:	02/23/12 09:32	Prepared:	02/27/12 07:08	Analyzed:	02/27/12 15:05
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B27001 Sequence: 2B05910 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00944	0.0189	0.0283	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07	File ID:	015R0101.D
Sampled:	02/23/12 10:15	Prepared:	02/27/12 07:08	Analyzed:	02/27/12 16:08
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B27001 Sequence: 2B05910 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0261	0.00943	0.0189	0.0283	J

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09	File ID:	016R0101.D
Sampled:	02/23/12 14:05	Prepared:	02/27/12 07:08	Analyzed:	02/27/12 16:30
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2B27001 Sequence: 2B05910 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

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B27001	Laboratory ID:	2B27001-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	0.4839	96.8	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5503	110	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B27001

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4726	ND	0.3626	76.7		70 - 130
1,2-Dibromoethane [2C]	0.4726	ND	0.4029	85.2		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4709	0.3872	82.2	6.55		20	70 - 130
1,2-Dibromoethane [2C]	0.4709	0.4555	96.7	12.3		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01RE2	02/23/12 07:00	36.97	35.00
GW0390	1202137-03RE3	02/23/12 07:00	36.84	35.00
GW0444	1202137-05RE1	02/23/12 07:00	37.76	35.00
GW0449	1202137-07	02/23/12 07:00	36.99	35.00
GW0450	1202137-09	02/23/12 07:00	36.61	35.00
GW0451	1202147-01	02/23/12 07:00	37.04	35.00
GW0464	1202147-03	02/23/12 07:00	37.06	35.00
GW0476	1202147-05	02/23/12 07:00	37.16	35.00
GW0478	1202147-07	02/23/12 07:00	37.33	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

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B27001 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0440	1202153-01	02/27/12 07:08	37.39	35.00
GW0457	1202153-03	02/27/12 07:08	37.52	35.00
GW0462	1202153-05RE1	02/27/12 07:08	37.08	35.00
GW0463	1202153-07RE1	02/27/12 07:08	37.24	35.00
GW0477	1202153-09	02/27/12 07:08	36.66	35.00
GW0399	1202159-01	02/27/12 07:08	36.93	35.00
GW0438	1202159-03RE2	02/27/12 07:08	37.21	35.00
GW0439	1202159-05	02/27/12 07:08	37.09	35.00
GW0455	1202159-07	02/27/12 07:08	37.13	35.00
GW0456	1202159-09	02/27/12 07:08	37.16	35.00
Blank	2B27001-BLK1	02/27/12 07:08	35.00	35.00
LCS	2B27001-BS1	02/27/12 07:08	35.00	35.00
GW0439	2B27001-MS1	02/27/12 07:08	37.03	35.00
GW0439	2B27001-MSD1	02/27/12 07:08	37.16	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
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

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2B27001-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	02/27/12 07:08	Analyzed:	02/27/12 11:50
Solids:		Preparation:	EDB	Dilution:	

Batch: 2B27001 Sequence: 2B05910 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_045
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_045	
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_045
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_045	
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_045
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_045
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_045
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_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	023F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2B05806	Injection Date:	02/23/12
Lab Sample ID:	2B05806-CCV3	Injection Time:	18:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4736	108358.4	42790		-5.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.4941	39065.98	30930		-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_045
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:	2B05808	Injection Date:	02/24/12
Lab Sample ID:	2B05808-CCV1	Injection Time:	11:09

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5165	108358.4	45386		3.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.5323	39065.98	33192		6.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05808	Injection Date:	02/24/12
Lab Sample ID:	2B05808-CCV2	Injection Time:	14:21

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4738	108358.4	42804		-5.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.4953	39065.98	31004		-0.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05910	Injection Date:	02/27/12
Lab Sample ID:	2B05910-CCV1	Injection Time:	11:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4680	108358.4	42446		-6.4	20
1,2-Dibromoethane [2C]	L	0.5000	0.5135	39065.98	32080		2.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B05910	Injection Date:	02/27/12
Lab Sample ID:	2B05910-CCV2	Injection Time:	16:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4094	108358.4	38812		-18.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.4615	39065.98	29004		-7.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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:	2B06040	Injection Date:	02/28/12
Lab Sample ID:	2B06040-CCV1	Injection Time:	11:38

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4838	108358.4	43416		-3.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.5390	39065.98	33594		7.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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
GW0389	02/16/12 15:09	02/20/12 08:00	02/23/12 07:00	N/A	14.00	02/24/12 12:13	7.84	14.00	
GW0390	02/16/12 15:09	02/20/12 08:00	02/23/12 07:00	N/A	14.00	02/24/12 13:17	7.88	14.00	
GW0444	02/17/12 11:07	02/20/12 08:00	02/23/12 07:00	N/A	14.00	02/24/12 14:00	7.08	14.00	
GW0449	02/17/12 11:47	02/20/12 08:00	02/23/12 07:00	N/A	14.00	02/23/12 15:27	6.11	14.00	
GW0450	02/17/12 11:47	02/20/12 08:00	02/23/12 07:00	N/A	14.00	02/23/12 15:49	6.13	14.00	
GW0451	02/21/12 12:16	02/22/12 08:20	02/23/12 07:00	N/A	14.00	02/23/12 16:32	2.14	14.00	
GW0464	02/21/12 12:35	02/22/12 08:20	02/23/12 07:00	N/A	14.00	02/23/12 16:53	2.14	14.00	
GW0476	02/20/12 15:27	02/22/12 08:20	02/23/12 07:00	N/A	14.00	02/23/12 17:14	3.03	14.00	
GW0478	02/20/12 12:17	02/22/12 08:20	02/23/12 07:00	N/A	14.00	02/23/12 17:36	3.18	14.00	
GW0440	02/22/12 14:14	02/23/12 08:30	02/27/12 07:08	N/A	14.00	02/27/12 12:33	4.89	14.00	
GW0457	02/22/12 11:27	02/23/12 08:30	02/27/12 07:08	N/A	14.00	02/27/12 12:55	5.02	14.00	
GW0462	02/21/12 15:11	02/23/12 08:30	02/27/12 07:08	N/A	14.00	02/28/12 11:59	6.83	14.00	
GW0463	02/22/12 10:23	02/23/12 08:30	02/27/12 07:08	N/A	14.00	02/28/12 12:20	6.04	14.00	
GW0477	02/21/12 15:41	02/23/12 08:30	02/27/12 07:08	N/A	14.00	02/27/12 14:00	5.89	14.00	
GW0399	02/22/12 15:47	02/24/12 08:30	02/27/12 07:08	N/A	14.00	02/27/12 14:22	4.90	14.00	
GW0438	02/23/12 12:32	02/24/12 08:30	02/27/12 07:08	N/A	14.00	02/28/12 13:03	4.98	14.00	
GW0439	02/23/12 09:32	02/24/12 08:30	02/27/12 07:08	N/A	14.00	02/27/12 15:05	4.19	14.00	
GW0455	02/23/12 10:15	02/24/12 08:30	02/27/12 07:08	N/A	14.00	02/27/12 16:08	4.20	14.00	
GW0456	02/23/12 14:05	02/24/12 08:30	02/27/12 07:08	N/A	14.00	02/27/12 16:30	4.06	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_045
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_045
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

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B27001-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	02/27/12 12:11
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B27001	Sequence:	2B05910	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4839	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B27001-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	02/27/12 12:11
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B27001	Sequence:	2B05910	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5503	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B27001-MS1	File ID:	013F0101.D
Sampled:		Prepared:		Analyzed:	02/27/12 15:26
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B27001	Sequence:	2B05910	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3626	0.00945	0.0189	0.0284	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B27001-MS1	File ID:	013R0101.D
Sampled:		Prepared:		Analyzed:	02/27/12 15:26
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B27001	Sequence:	2B05910	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4029	0.00945	0.0189	0.0284	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2B27001-MSD1	File ID:	014F0101.D
Sampled:		Prepared:		Analyzed:	02/27/12 15:47
Solids:		Preparation:	EDB	Dilution:	

Batch:	2B27001	Sequence:	2B05910	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.3872	0.00942	0.0188	0.0283	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2B27001-MSD1
File ID: 014R0101.D
Sampled:
Prepared:
Analyzed: 02/27/12 15:47
Solids:
Preparation: EDB
Dilution:
Batch: 2B27001
Sequence: 2B05910
Calibration: 2031002
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4555	0.00942	0.0188	0.0283	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0389

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202137-01RE2

Date(s) Analyzed: 02/24/2012 02/24/2012

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	89.2	
	2	2.28	2.25	2.31	82.3	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0390

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202137-03RE3

Date(s) Analyzed: 02/24/2012 02/24/2012

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	81.3	
	2	2.28	2.25	2.31	77.6	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0444

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202137-05RE1

Date(s) Analyzed: 02/24/2012 02/24/2012

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	3.00	
	2	2.28	2.25	2.31	3.02	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0451

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202147-01

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	2.42	2.38	2.44	0.315	
	2	2.29	2.25	2.31	0.353	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0476

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202147-05

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	2.42	2.38	2.44	0.0925	
	2	2.29	2.25	2.31	0.124	29

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

GW0457

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202153-03

Date(s) Analyzed: 02/27/2012 02/27/2012

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	0.0934	
	2	2.27	2.25	2.31	0.116	22

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0462

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202153-05RE1

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	2.41	2.38	2.44	1.59	
	2	2.27	2.25	2.31	1.08	38

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0463

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202153-07RE1

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	2.41	2.38	2.44	1.27	
	2	2.28	2.25	2.31	1.36	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0477

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202153-09 Date(s) Analyzed: 02/27/2012 02/27/2012

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	0.103	
	2	2.28	2.25	2.31	0.121	17

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0438

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202159-03RE2 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	2.41	2.38	2.44	161	
	2	2.28	2.25	2.31	178	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0455

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1202159-07

Date(s) Analyzed: 02/27/2012 02/27/2012

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	0.0212	
	2	2.28	2.25	2.31	0.0261	21

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B27001-BS1 Date(s) Analyzed: 02/27/2012 02/27/2012

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	0.4839	
	2	2.27	2.25	2.31	0.5503	13

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B27001-MS1

Date(s) Analyzed: 02/27/2012 02/27/2012

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	0.3626	
	2	2.28	2.25	2.31	0.4029	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2B27001-MSD1

Date(s) Analyzed: 02/27/2012 02/27/2012

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	0.3872	
	2	2.28	2.25	2.31	0.4555	16

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01
Sampled:	02/16/12 15:09	Received:	02/20/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	76200	1000	2000	5000	1		SW6010B	2B29011	03/01/12 21:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 21:40
7439-95-4	Magnesium	10600	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:40
7440-09-7	Potassium	2740	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 21:40
7440-23-5	Sodium	28000	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:40

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-02
Sampled:	02/16/12 15:09	Received:	02/20/12 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)	262	30.0	60.0	100	1		SW6010B	2B29006	02/29/12 17:28
7439-96-5	Manganese (dissolved)	1190	3.00	6.00	15.0	1		SW6010B	2B29006	02/29/12 17:28

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03
Sampled:	02/16/12 15:09	Received:	02/20/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	74300	1000	2000	5000	1		SW6010B	2B29011	03/01/12 21:44
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 21:44
7439-95-4	Magnesium	10300	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:44
7440-09-7	Potassium	2630	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 21:44
7440-23-5	Sodium	26600	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:44

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-04
Sampled:	02/16/12 15:09	Received:	02/20/12 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)	255	30.0	60.0	100	1		SW6010B	2B29006	02/29/12 17:33
7439-96-5	Manganese (dissolved)	1170	3.00	6.00	15.0	1		SW6010B	2B29006	02/29/12 17:33

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05
Sampled:	02/17/12 11:07	Received:	02/20/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	68800	1000	2000	5000	1		SW6010B	2B29011	03/01/12 21:49
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 21:49
7439-95-4	Magnesium	9470	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:49
7440-09-7	Potassium	2780	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 21:49
7440-23-5	Sodium	31100	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:49

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-06
Sampled:	02/17/12 11:07	Received:	02/20/12 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)	59.7	30.0	60.0	100	1	J	SW6010B	2B29006	02/29/12 17:37
7439-96-5	Manganese (dissolved)	489	3.00	6.00	15.0	1		SW6010B	2B29006	02/29/12 17:37

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07
Sampled:	02/17/12 11:47	Received:	02/20/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36900	1000	2000	5000	1		SW6010B	2B29011	03/01/12 21:53
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 21:53
7439-95-4	Magnesium	4870	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 21:53
7440-09-7	Potassium	1990	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 21:53
7440-23-5	Sodium	22700	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:53

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-08
Sampled:	02/17/12 11:47	Received:	02/20/12 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	2B29006	02/29/12 17:42
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2B29006	02/29/12 17:42

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09
Sampled:	02/17/12 11:47	Received:	02/20/12 08:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36700	1000	2000	5000	1		SW6010B	2B29011	03/01/12 21:58
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 21:58
7439-95-4	Magnesium	4840	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 21:58
7440-09-7	Potassium	1970	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 21:58
7440-23-5	Sodium	22500	1000	3000	5000	1		SW6010B	2B29011	03/01/12 21:58

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-10
Sampled:	02/17/12 11:47	Received:	02/20/12 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	2C05019	03/06/12 16:37
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 16:37

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01
Sampled:	02/21/12 12:16	Received:	02/22/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41300	1000	2000	5000	1		SW6010B	2B29011	03/01/12 22:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 22:02
7439-95-4	Magnesium	5400	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:02
7440-09-7	Potassium	2060	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:02
7440-23-5	Sodium	22200	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:02

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-02
Sampled:	02/21/12 12:16	Received:	02/22/12 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	2C05019	03/06/12 16:41
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 16:41

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03
Sampled:	02/21/12 12:35	Received:	02/22/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33600	1000	2000	5000	1		SW6010B	2B29011	03/01/12 22:07
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 22:07
7439-95-4	Magnesium	4650	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:07
7440-09-7	Potassium	1900	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:07
7440-23-5	Sodium	21800	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:07

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-04
Sampled:	02/21/12 12:35	Received:	02/22/12 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	2C05019	03/06/12 16:46
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 16:46

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05
Sampled:	02/20/12 15:27	Received:	02/22/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	52500	1000	2000	5000	1		SW6010B	2B29011	03/01/12 22:24
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 22:24
7439-95-4	Magnesium	6940	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:24
7440-09-7	Potassium	2730	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:24
7440-23-5	Sodium	26700	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:24

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-06
Sampled:	02/20/12 15:27	Received:	02/22/12 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	2C05019	03/06/12 16:50
7439-96-5	Manganese (dissolved)	9.40	3.00	6.00	15.0	1	J	SW6010B	2C05019	03/06/12 16:50

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07
Sampled:	02/20/12 12:17	Received:	02/22/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35300	1000	2000	5000	1		SW6010B	2B29011	03/01/12 22:29
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 22:29
7439-95-4	Magnesium	4650	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:29
7440-09-7	Potassium	2130	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:29
7440-23-5	Sodium	22200	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:29

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-08
Sampled:	02/20/12 12:17	Received:	02/22/12 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	2C05019	03/06/12 16:55
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 16:55

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01
Sampled:	02/22/12 14:14	Received:	02/23/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33000	1000	2000	5000	1		SW6010B	2B29011	03/01/12 22:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 22:33
7439-95-4	Magnesium	4570	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:33
7440-09-7	Potassium	1950	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:33
7440-23-5	Sodium	21900	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:33

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-02
Sampled:	02/22/12 14:14	Received:	02/23/12 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	2C05019	03/06/12 16:59
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 16:59

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03
Sampled:	02/22/12 11:27	Received:	02/23/12 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	2B29011	03/01/12 22:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29011	03/01/12 22:37
7439-95-4	Magnesium	7280	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:37
7440-09-7	Potassium	2620	1000	3000	5000	1	J	SW6010B	2B29011	03/01/12 22:37
7440-23-5	Sodium	25400	1000	3000	5000	1		SW6010B	2B29011	03/01/12 22:37

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-04
Sampled:	02/22/12 11:27	Received:	02/23/12 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	2C05019	03/06/12 17:04
7439-96-5	Manganese (dissolved)	53.7	3.00	6.00	15.0	1		SW6010B	2C05019	03/06/12 17:04

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05
Sampled:	02/21/12 15:11	Received:	02/23/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	172000	1000	2000	5000	1		SW6010B	2B29012	03/01/12 17:59
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29012	03/01/12 17:59
7439-95-4	Magnesium	25000	1000	3000	5000	1		SW6010B	2B29012	03/01/12 17:59
7440-09-7	Potassium	4350	1000	3000	5000	1	J	SW6010B	2B29012	03/01/12 17:59
7440-23-5	Sodium	46200	1000	3000	5000	1		SW6010B	2B29012	03/01/12 17:59

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-06
Sampled:	02/21/12 15:11	Received:	02/23/12 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)	5050	30.0	60.0	100	1		SW6010B	2C05019	03/06/12 17:08
7439-96-5	Manganese (dissolved)	4500	3.00	6.00	15.0	1		SW6010B	2C05019	03/06/12 17:08

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07
Sampled:	02/22/12 10:23	Received:	02/23/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	149000	1000	2000	5000	1		SW6010B	2B29012	03/01/12 18:04
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29012	03/01/12 18:04
7439-95-4	Magnesium	22600	1000	3000	5000	1		SW6010B	2B29012	03/01/12 18:04
7440-09-7	Potassium	3950	1000	3000	5000	1	J	SW6010B	2B29012	03/01/12 18:04
7440-23-5	Sodium	41600	1000	3000	5000	1		SW6010B	2B29012	03/01/12 18:04

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-08
Sampled:	02/22/12 10:23	Received:	02/23/12 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)	2510	30.0	60.0	100	1		SW6010B	2C05019	03/06/12 17:13
7439-96-5	Manganese (dissolved)	4530	3.00	6.00	15.0	1		SW6010B	2C05019	03/06/12 17:13

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09
Sampled:	02/21/12 15:41	Received:	02/23/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	61600	1000	2000	5000	1		SW6010B	2B29012	03/01/12 18:09
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2B29012	03/01/12 18:09
7439-95-4	Magnesium	7840	1000	3000	5000	1		SW6010B	2B29012	03/01/12 18:09
7440-09-7	Potassium	2820	1000	3000	5000	1	J	SW6010B	2B29012	03/01/12 18:09
7440-23-5	Sodium	27200	1000	3000	5000	1		SW6010B	2B29012	03/01/12 18:09

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-10
Sampled:	02/21/12 15:41	Received:	02/23/12 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	2C05019	03/06/12 17:18
7439-96-5	Manganese (dissolved)	85.8	3.00	6.00	15.0	1		SW6010B	2C05019	03/06/12 17:18

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01
Sampled:	02/22/12 15:47	Received:	02/24/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	64100	1000	2000	5000	1		SW6010B	2C05004	03/06/12 11:20
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2C05004	03/06/12 11:20
7439-95-4	Magnesium	9050	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:20
7440-09-7	Potassium	2650	1000	3000	5000	1	J	SW6010B	2C05004	03/06/12 11:20
7440-23-5	Sodium	28000	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:20

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-02
Sampled:	02/22/12 15:47	Received:	02/24/12 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	2C05019	03/06/12 17:35
7439-96-5	Manganese (dissolved)	33.9	3.00	6.00	15.0	1		SW6010B	2C05019	03/06/12 17:35

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03
Sampled:	02/23/12 12:32	Received:	02/24/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	73900	1000	2000	5000	1		SW6010B	2C05004	03/06/12 11:25
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2C05004	03/06/12 11:25
7439-95-4	Magnesium	11300	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:25
7440-09-7	Potassium	3130	1000	3000	5000	1	J	SW6010B	2C05004	03/06/12 11:25
7440-23-5	Sodium	31000	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:25

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-04
Sampled:	02/23/12 12:32	Received:	02/24/12 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)	1520	30.0	60.0	100	1		SW6010B	2C05019	03/06/12 17:39
7439-96-5	Manganese (dissolved)	1560	3.00	6.00	15.0	1		SW6010B	2C05019	03/06/12 17:39

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05
Sampled:	02/23/12 09:32	Received:	02/24/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	46200	1000	2000	5000	1		SW6010B	2C05004	03/06/12 11:29
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2C05004	03/06/12 11:29
7439-95-4	Magnesium	6470	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:29
7440-09-7	Potassium	2430	1000	3000	5000	1	J	SW6010B	2C05004	03/06/12 11:29
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:29

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-06
Sampled:	02/23/12 09:32	Received:	02/24/12 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	2C05019	03/06/12 17:44
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 17:44

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07
Sampled:	02/23/12 10:15	Received:	02/24/12 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	2C05004	03/06/12 11:52
7439-92-1	Lead	2.15	1.50	3.00	3.00	1	J	SW6010B	2C05004	03/06/12 11:52
7439-95-4	Magnesium	7530	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:52
7440-09-7	Potassium	2730	1000	3000	5000	1	J	SW6010B	2C05004	03/06/12 11:52
7440-23-5	Sodium	27100	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:52

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-08
Sampled:	02/23/12 10:15	Received:	02/24/12 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	2C05019	03/06/12 18:02
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 18:02

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09
Sampled:	02/23/12 14:05	Received:	02/24/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34100	1000	2000	5000	1		SW6010B	2C05004	03/06/12 11:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2C05004	03/06/12 11:57
7439-95-4	Magnesium	4680	1000	3000	5000	1	J	SW6010B	2C05004	03/06/12 11:57
7440-09-7	Potassium	2100	1000	3000	5000	1	J	SW6010B	2C05004	03/06/12 11:57
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	2C05004	03/06/12 11:57

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-10
Sampled:	02/23/12 14:05	Received:	02/24/12 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	2C05019	03/06/12 18:07
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2C05019	03/06/12 18:07

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_045
Project: Kirtland AFB 2011
Calibration: 2061001
Sequence: 2C06101

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2C06101-ICV1	Iron (dissolved)	10000	10260	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1028	103	ug/L	+/- 10.00%
2C06101-CCV1	Iron (dissolved)	10000	10290	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1034	103	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_045
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-CCV6	Calcium	50000	51730	103	ug/L	+/- 10.00%
	Lead	1000	962.2	96.2	ug/L	+/- 10.00%
	Magnesium	50000	50320	101	ug/L	+/- 10.00%
	Potassium	10000	9903	99.0	ug/L	+/- 10.00%
	Sodium	50000	49950	99.9	ug/L	+/- 10.00%
2C06202-CCV7	Calcium	50000	51160	102	ug/L	+/- 10.00%
	Lead	1000	984.6	98.5	ug/L	+/- 10.00%
	Magnesium	50000	50710	101	ug/L	+/- 10.00%
	Potassium	10000	9812	98.1	ug/L	+/- 10.00%
	Sodium	50000	50270	101	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%
2C06202-CCVA	Calcium	50000	48600	97.2	ug/L	+/- 10.00%
	Lead	1000	1021	102	ug/L	+/- 10.00%
	Magnesium	50000	49960	99.9	ug/L	+/- 10.00%
	Potassium	10000	9594	95.9	ug/L	+/- 10.00%
	Sodium	50000	51450	103	ug/L	+/- 10.00%
2C06202-CCVB	Calcium	50000	51720	103	ug/L	+/- 10.00%
	Lead	1000	1020	102	ug/L	+/- 10.00%
	Magnesium	50000	50600	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_045
Project: Kirtland AFB 2011
Calibration: 2062001
Sequence: 2C06202

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2C06202-CCVB	Potassium	10000	9680	96.8	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_045
Project: Kirtland AFB 2011
Calibration: 2067001
Sequence: 2C06702

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2C06702-ICV1	Calcium	50000	52700	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10330	103	ug/L	+/- 10.00%
	Lead	1000	982.0	98.2	ug/L	+/- 10.00%
	Magnesium	50000	50690	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1049	105	ug/L	+/- 10.00%
	Potassium	10000	9929	99.3	ug/L	+/- 10.00%
	Sodium	50000	51020	102	ug/L	+/- 10.00%
2C06702-CCV1	Calcium	50000	51370	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10100	101	ug/L	+/- 10.00%
	Lead	1000	999.0	99.9	ug/L	+/- 10.00%
	Magnesium	50000	49860	99.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1046	105	ug/L	+/- 10.00%
	Potassium	10000	9793	97.9	ug/L	+/- 10.00%
	Sodium	50000	51490	103	ug/L	+/- 10.00%
2C06702-CCV2	Calcium	50000	49440	98.9	ug/L	+/- 10.00%
	Lead	1000	994.0	99.4	ug/L	+/- 10.00%
	Magnesium	50000	48970	97.9	ug/L	+/- 10.00%
	Potassium	10000	9687	96.9	ug/L	+/- 10.00%
	Sodium	50000	51840	104	ug/L	+/- 10.00%
2C06702-CCV5	Iron (dissolved)	10000	9888	98.9	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1032	103	ug/L	+/- 10.00%
2C06702-CCV6	Iron (dissolved)	10000	9853	98.5	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1013	101	ug/L	+/- 10.00%
2C06702-CCV7	Iron (dissolved)	10000	9526	95.3	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1019	102	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

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	Iron (dissolved)	60.00	64.18	107	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.375	106	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

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

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2067001

Sequence: 2C06702

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2C06702-CRL1	Calcium	2000	2218	111	ug/L	80 - 120
	Iron (dissolved)	60.00	64.10	107	ug/L	80 - 120
	Magnesium	3000	3195	106	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.794	113	ug/L	80 - 120
	Potassium	3000	3009	100	ug/L	80 - 120
	Sodium	3000	3060	102	ug/L	80 - 120
2C06702-CRL2	Lead	3.000	3.514	117	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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	Iron (dissolved)	1.720	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.005050	3.00	15.0	ug/L	U	SW6010B
2C06101-CCB1	Iron (dissolved)	1.45	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0764	3.00	15.0	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
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_045
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-CCB6	Calcium	11.5	1000	5000	ug/L	U	SW6010B
	Lead	0.282	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.64	1000	5000	ug/L	U	SW6010B
	Potassium	19.1	1000	5000	ug/L	U	SW6010B
	Sodium	2.34	1000	5000	ug/L	U	SW6010B
2B29012-BLK1	Calcium	11.8	1000	5000	ug/L	U	SW6010B
	Lead	0.0490	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.19	1000	5000	ug/L	U	SW6010B
	Potassium	3.90	1000	5000	ug/L	U	SW6010B
	Sodium	-2.77	1000	5000	ug/L	U	SW6010B
2C06202-CCB7	Calcium	10.2	1000	5000	ug/L	U	SW6010B
	Lead	0.420	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.59	1000	5000	ug/L	U	SW6010B
	Potassium	7.54	1000	5000	ug/L	U	SW6010B
	Sodium	155	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
	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

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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
2B29011-BLK1	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
2C06202-CCBA	Calcium	4.00	1000	5000	ug/L	U	SW6010B
	Lead	0.179	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.33	1000	5000	ug/L	U	SW6010B
	Potassium	15.7	1000	5000	ug/L	U	SW6010B
	Sodium	40.2	1000	5000	ug/L	U	SW6010B
2C06202-CCBB	Calcium	1.57	1000	5000	ug/L	U	SW6010B
	Lead	0.0144	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.16	1000	5000	ug/L	U	SW6010B
	Potassium	3.99	1000	5000	ug/L	U	SW6010B
	Sodium	39.7	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2C06702
Calibration: 2067001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C06702-ICB1	Calcium	1.370	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.642	30.0	100	ug/L	U	SW6010B
	Lead	1.059	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.740	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.01142	3.00	15.0	ug/L	U	SW6010B
	Potassium	17.08	1000	5000	ug/L	U	SW6010B
	Sodium	-1.630	1000	5000	ug/L	U	SW6010B
2C06702-CCB1	Calcium	0.790	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-2.67	30.0	100	ug/L	U	SW6010B
	Lead	0.803	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.79	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0778	3.00	15.0	ug/L	U	SW6010B
	Potassium	26.7	1000	5000	ug/L	U	SW6010B
	Sodium	7.45	1000	5000	ug/L	U	SW6010B
2C05004-BLK1	Calcium	6.52	1000	5000	ug/L	U	SW6010B
	Lead	0.904	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.98	1000	5000	ug/L	U	SW6010B
	Potassium	18.1	1000	5000	ug/L	U	SW6010B
	Sodium	6.18	1000	5000	ug/L	U	SW6010B
2C06702-CCB2	Calcium	2.20	1000	5000	ug/L	U	SW6010B
	Lead	1.31	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.05	1000	5000	ug/L	U	SW6010B
	Potassium	3.08	1000	5000	ug/L	U	SW6010B
	Sodium	2.40	1000	5000	ug/L	U	SW6010B
2C06702-CCB5	Iron (dissolved)	-0.924	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0750	3.00	15.0	ug/L	U	SW6010B
2C05019-BLK1	Iron (dissolved)	-0.285	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0585	3.00	15.0	ug/L	U	SW6010B
2C06702-CCB6	Iron (dissolved)	-1.95	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.138	3.00	15.0	ug/L	U	SW6010B
2C06702-CCB7	Iron (dissolved)	-2.08	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.114	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

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	Iron (dissolved)	200000	203,370.00	102	ug/L
	Manganese (dissolved)		-3.72		ug/L
2C06101-IFB1	Iron (dissolved)	200000	205,670.00	103	ug/L
	Manganese (dissolved)	500.0	478.80	95.8	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2067001
Sequence: 2C06702

Lab Sample ID	Analyte	True	Found	%R	Units
2C06702-IFA1	Calcium	500000	490,010.00	98.0	ug/L
	Iron (dissolved)	200000	203,330.00	102	ug/L
	Lead		1.82		ug/L
	Magnesium	500000	489,230.00	97.8	ug/L
	Manganese (dissolved)		-3.87		ug/L
	Potassium		-15.26		ug/L
	Sodium		56.57		ug/L
2C06702-IFB1	Calcium	500000	497,300.00	99.5	ug/L
	Iron (dissolved)	200000	201,750.00	101	ug/L
	Lead	50.00	50.59	101	ug/L
	Magnesium	500000	489,860.00	98.0	ug/L
	Manganese (dissolved)	500.0	500.61	100	ug/L
	Potassium		-8.94		ug/L
	Sodium		136.34		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2C05004

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	46160	50480	86.4		80 - 120
Lead	250.0	ND	250.6	100		80 - 120
Magnesium	5000	6474	11300	96.5		80 - 120
Potassium	5000	2428	7180	95.0		80 - 120
Sodium	5000	25250	29950	93.9		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	50820	93.2	0.669		20	80 - 120
Lead	250.0	249.6	99.8	0.388		20	80 - 120
Magnesium	5000	11410	98.8	0.995		20	80 - 120
Potassium	5000	7271	96.9	1.25		20	80 - 120
Sodium	5000	30790	111	2.77		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2C05019

% Solids:

Source Sample Name: **1202159-06**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1007	101		80 - 120
Manganese (dissolved)	500.0	ND	518.1	104		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1011	101	0.456		20	80 - 120
Manganese (dissolved)	500.0	515.3	103	0.532		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0439

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2C05004-PS1
Batch: 2C05004
Lab Source ID: 1202159-05
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	**49790**	**46160**	**5000**	**72.6**	**80 - 120**
Lead	249.1	ND	250.0	99.3	80 - 120
Magnesium	11250	6474	5000	95.5	80 - 120
Potassium	7162	2428	5000	94.7	80 - 120
Sodium	30070	25250	5000	96.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B29012	Laboratory ID:	2B29012-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	5241	105	80 - 120
Lead	250.0	239.0	95.6	80 - 120
Magnesium	5000	4930	98.6	80 - 120
Potassium	5000	4723	94.5	80 - 120
Sodium	5000	4847	96.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2C05004	Laboratory ID:	2C05004-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	5368	107	80 - 120
Lead	250.0	255.6	102	80 - 120
Magnesium	5000	5203	104	80 - 120
Potassium	5000	4968	99.4	80 - 120
Sodium	5000	5214	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2C05019	Laboratory ID:	2C05019-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	1067	107	80 - 120
Manganese (dissolved)	500.0	545.4	109	80 - 120

SERIAL DILUTION

SW6010B

GW0439

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2C06702
Preparation: MET_3005A

SDG: Kirtland_045
Project: Kirtland AFB 2011
Laboratory ID: 2C05004-DUP1
Lab Source ID: 1202159-05
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	46157	46846	1.49		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	6474.4	6665	2.94		SW6010B	10.00
Potassium	2428	ND			SW6010B	10.00
Sodium	25252	25061	-0.758		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0439

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2C06702
Preparation: MET_3005A

SDG: Kirtland_045
Project: Kirtland AFB 2011
Laboratory ID: 2C05019-DUP1
Lab Source ID: 1202159-06
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_045

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_045

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_045

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_045

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_045

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_045

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_045

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-02	02/29/12 07:55	50.00	50.00
GW0390	1202137-04	02/29/12 07:55	50.00	50.00
GW0444	1202137-06	02/29/12 07:55	50.00	50.00
GW0449	1202137-08	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

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01	02/29/12 08:51	50.00	50.00
GW0390	1202137-03	02/29/12 08:51	50.00	50.00
GW0444	1202137-05	02/29/12 08:51	50.00	50.00
GW0449	1202137-07	02/29/12 08:51	50.00	50.00
GW0450	1202137-09	02/29/12 08:51	50.00	50.00
GW0451	1202147-01	02/29/12 08:51	50.00	50.00
GW0464	1202147-03	02/29/12 08:51	50.00	50.00
GW0476	1202147-05	02/29/12 08:51	50.00	50.00
GW0478	1202147-07	02/29/12 08:51	50.00	50.00
GW0440	1202153-01	02/29/12 08:51	50.00	50.00
GW0457	1202153-03	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

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B29012 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0462	1202153-05	02/29/12 10:38	50.00	50.00
GW0463	1202153-07	02/29/12 10:38	50.00	50.00
GW0477	1202153-09	02/29/12 10:38	50.00	50.00
Blank	2B29012-BLK1	02/29/12 10:38	50.00	50.00
LCS	2B29012-BS1	02/29/12 10:38	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2C05004 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0399	1202159-01	03/05/12 07:45	50.00	50.00
GW0438	1202159-03	03/05/12 07:45	50.00	50.00
GW0439	1202159-05	03/05/12 07:45	50.00	50.00
GW0455	1202159-07	03/05/12 07:45	50.00	50.00
GW0456	1202159-09	03/05/12 07:45	50.00	50.00
Blank	2C05004-BLK1	03/05/12 07:45	50.00	50.00
LCS	2C05004-BS1	03/05/12 07:45	50.00	50.00
GW0439	2C05004-DUP1	03/05/12 07:45	50.00	50.00
GW0439	2C05004-MS1	03/05/12 07:45	50.00	50.00
GW0439	2C05004-MSD1	03/05/12 07:45	50.00	50.00
GW0439	2C05004-PS1	03/05/12 07:45	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2C05019 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0450	1202137-10	03/05/12 12:33	50.00	50.00
GW0451	1202147-02	03/05/12 12:33	50.00	50.00
GW0464	1202147-04	03/05/12 12:33	50.00	50.00
GW0476	1202147-06	03/05/12 12:33	50.00	50.00
GW0478	1202147-08	03/05/12 12:33	50.00	50.00
GW0440	1202153-02	03/05/12 12:33	50.00	50.00
GW0457	1202153-04	03/05/12 12:33	50.00	50.00
GW0462	1202153-06	03/05/12 12:33	50.00	50.00
GW0463	1202153-08	03/05/12 12:33	50.00	50.00
GW0477	1202153-10	03/05/12 12:33	50.00	50.00
GW0399	1202159-02	03/05/12 12:33	50.00	50.00
GW0438	1202159-04	03/05/12 12:33	50.00	50.00
GW0439	1202159-06	03/05/12 12:33	50.00	50.00
GW0455	1202159-08	03/05/12 12:33	50.00	50.00
GW0456	1202159-10	03/05/12 12:33	50.00	50.00
Blank	2C05019-BLK1	03/05/12 12:33	50.00	50.00
LCS	2C05019-BS1	03/05/12 12:33	50.00	50.00
GW0439	2C05019-DUP1	03/05/12 12:33	50.00	50.00
GW0439	2C05019-MS1	03/05/12 12:33	50.00	50.00
GW0439	2C05019-MSD1	03/05/12 12:33	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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-CAL2	022912A-002	02/29/12 08:55
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-CAL6	022912A-006	02/29/12 09:15
Initial Cal Check	2C06101-ICV1	022912B-001	02/29/12 10:00
Initial Cal Blank	2C06101-ICB1	022912B-002	02/29/12 10:07
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 B	2C06101-IFB1	022912B-007	02/29/12 10:33
Calibration Check	2C06101-CCV1	022912B-009	02/29/12 10:45
Calibration Blank	2C06101-CCB1	022912B-010	02/29/12 10:52
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
Calibration Check	2C06101-CCV6	022912B-081	02/29/12 16:35
Calibration Blank	2C06101-CCB6	022912B-082	02/29/12 16:43
GW0389	1202137-02	022912B-092	02/29/12 17:28
GW0390	1202137-04	022912B-093	02/29/12 17:33
GW0444	1202137-06	022912B-094	02/29/12 17:37
GW0449	1202137-08	022912B-095	02/29/12 17:42
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_045
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-CCV6	030112C-058	03/01/12 17:18
Calibration Blank	2C06202-CCB6	030112C-059	03/01/12 17:25
Blank	2B29012-BLK1	030112C-060	03/01/12 17:30
LCS	2B29012-BS1	030112C-061	03/01/12 17:34
GW0462	1202153-05	030112C-066	03/01/12 17:59
GW0463	1202153-07	030112C-067	03/01/12 18:04
GW0477	1202153-09	030112C-068	03/01/12 18:09
Calibration Check	2C06202-CCV7	030112C-075	03/01/12 18:43
Calibration Blank	2C06202-CCB7	030112C-076	03/01/12 18:50
Calibration Check	2C06202-CCV8	030112C-084	03/01/12 19:29
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
Calibration Check	2C06202-CCV9	030112C-102	03/01/12 20:56
Calibration Blank	2C06202-CCB9	030112C-103	03/01/12 21:03
GW0389	1202137-01	030112C-111	03/01/12 21:40
GW0390	1202137-03	030112C-112	03/01/12 21:44
GW0444	1202137-05	030112C-113	03/01/12 21:49

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0449	1202137-07	030112C-114	03/01/12 21:53
GW0450	1202137-09	030112C-115	03/01/12 21:58
GW0451	1202147-01	030112C-116	03/01/12 22:02
GW0464	1202147-03	030112C-117	03/01/12 22:07
Calibration Check	2C06202-CCVA	030112C-118	03/01/12 22:12
Calibration Blank	2C06202-CCBA	030112C-119	03/01/12 22:19
GW0476	1202147-05	030112C-120	03/01/12 22:24
GW0478	1202147-07	030112C-121	03/01/12 22:29
GW0440	1202153-01	030112C-122	03/01/12 22:33
GW0457	1202153-03	030112C-123	03/01/12 22:37
Calibration Check	2C06202-CCVB	030112C-128	03/01/12 23:02
Calibration Blank	2C06202-CCBB	030112C-129	03/01/12 23:09

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06702	Instrument:	ME-ICP
Calibration:	2067001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2C06702-CAL1	030612A-001	03/06/12 08:55
Cal Standard	2C06702-CAL1	030612A-001	03/06/12 08:55
Cal Standard	2C06702-CAL2	030612A-002	03/06/12 09:00
Cal Standard	2C06702-CAL2	030612A-002	03/06/12 09:00
Cal Standard	2C06702-CAL3	030612A-003	03/06/12 09:05
Cal Standard	2C06702-CAL3	030612A-003	03/06/12 09:05
Cal Standard	2C06702-CAL4	030612A-004	03/06/12 09:10
Cal Standard	2C06702-CAL5	030612A-005	03/06/12 09:15
Cal Standard	2C06702-CAL5	030612A-005	03/06/12 09:15
Cal Standard	2C06702-CAL6	030612A-006	03/06/12 09:20
Cal Standard	2C06702-CAL6	030612A-006	03/06/12 09:20
Cal Standard	2C06702-CAL7	030612A-007	03/06/12 09:26
Cal Standard	2C06702-CAL8	030612A-008	03/06/12 09:31
Initial Cal Check	2C06702-ICV1	030612B-001	03/06/12 10:03
Initial Cal Check	2C06702-ICV1	030612B-001	03/06/12 10:03
Initial Cal Blank	2C06702-ICB1	030612B-002	03/06/12 10:10
Initial Cal Blank	2C06702-ICB1	030612B-002	03/06/12 10:10
Instrument RL Check	2C06702-CRL1	030612B-003	03/06/12 10:15
Instrument RL Check	2C06702-CRL1	030612B-003	03/06/12 10:15
Instrument RL Check	2C06702-CRL2	030612B-006	03/06/12 10:32
Interference Check A	2C06702-IFA1	030612B-007	03/06/12 10:37
Interference Check A	2C06702-IFA1	030612B-007	03/06/12 10:37
Interference Check B	2C06702-IFB1	030612B-008	03/06/12 10:42
Interference Check B	2C06702-IFB1	030612B-008	03/06/12 10:42
Calibration Check	2C06702-CCV1	030612B-010	03/06/12 10:53
Calibration Check	2C06702-CCV1	030612B-010	03/06/12 10:53
Calibration Blank	2C06702-CCB1	030612B-011	03/06/12 11:00
Calibration Blank	2C06702-CCB1	030612B-011	03/06/12 11:00
Blank	2C05004-BLK1	030612B-012	03/06/12 11:05
LCS	2C05004-BS1	030612B-013	03/06/12 11:10
GW0399	1202159-01	030612B-015	03/06/12 11:20
GW0438	1202159-03	030612B-016	03/06/12 11:25

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06702	Instrument:	ME-ICP
Calibration:	2067001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0439	1202159-05	030612B-017	03/06/12 11:29
GW0439	2C05004-MS1	030612B-018	03/06/12 11:34
GW0439	2C05004-MSD1	030612B-019	03/06/12 11:38
GW0439	2C05004-PS1	030612B-020	03/06/12 11:42
GW0439	2C05004-DUP1	030612B-021	03/06/12 11:48
GW0455	1202159-07	030612B-022	03/06/12 11:52
GW0456	1202159-09	030612B-023	03/06/12 11:57
Calibration Check	2C06702-CCV2	030612B-029	03/06/12 12:24
Calibration Blank	2C06702-CCB2	030612B-030	03/06/12 12:32
Calibration Check	2C06702-CCV5	030612B-076	03/06/12 16:14
Calibration Blank	2C06702-CCB5	030612B-077	03/06/12 16:21
Blank	2C05019-BLK1	030612B-078	03/06/12 16:26
LCS	2C05019-BS1	030612B-079	03/06/12 16:31
GW0450	1202137-10	030612B-080	03/06/12 16:37
GW0451	1202147-02	030612B-081	03/06/12 16:41
GW0464	1202147-04	030612B-082	03/06/12 16:46
GW0476	1202147-06	030612B-083	03/06/12 16:50
GW0478	1202147-08	030612B-084	03/06/12 16:55
GW0440	1202153-02	030612B-085	03/06/12 16:59
GW0457	1202153-04	030612B-086	03/06/12 17:04
GW0462	1202153-06	030612B-087	03/06/12 17:08
GW0463	1202153-08	030612B-088	03/06/12 17:13
GW0477	1202153-10	030612B-089	03/06/12 17:18
Calibration Check	2C06702-CCV6	030612B-090	03/06/12 17:23
Calibration Blank	2C06702-CCB6	030612B-091	03/06/12 17:30
GW0399	1202159-02	030612B-092	03/06/12 17:35
GW0438	1202159-04	030612B-093	03/06/12 17:39
GW0439	1202159-06	030612B-094	03/06/12 17:44
GW0439	2C05019-MS1	030612B-095	03/06/12 17:48
GW0439	2C05019-MSD1	030612B-096	03/06/12 17:53
GW0439	2C05019-DUP1	030612B-097	03/06/12 17:58
GW0455	1202159-08	030612B-098	03/06/12 18:02

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06702	Instrument:	ME-ICP
Calibration:	2067001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0456	1202159-10	030612B-099	03/06/12 18:07
Calibration Check	2C06702-CCV7	030612B-105	03/06/12 18:35
Calibration Blank	2C06702-CCB7	030612B-106	03/06/12 18:42

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045		
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	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045		
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	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2067001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	3/6/12 8:55 3/6/12 9:31

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	2.1782E-05	10000	2.1933E-05			500000	2.1906E-05		
Antimony	0	0	100	0.0004931	1000	5.0332E-04					10000	5.0028E-04
Arsenic	0	0	100	0.000327	1000	3.4557E-04					10000	0.0003404
Barium	0	0	50	0.01063	1000	0.010071	5000	0.0102194				
Beryllium	0	0	100	0.0026097	1000	0.0026105					10000	0.002555
Boron	0	0	50	0.0000152	1000	1.518E-05					5000	1.4916E-05
Cadmium	0	0	100	0.016466	1000	0.016461					10000	0.015726
Calcium	0	0	1100	0.0000691	50000	6.6376E-05					10000	
Chromium	0	0	100	0.0000497	1000	4.767E-05					10000	4.8132E-05
Cobalt	0	0	100	0.0045204	1000	0.0043835					10000	0.0044885
Copper	0	0	100	0.0000601	1000	5.504E-05					10000	5.5042E-05
Iron	0	0	5100	2.140392E-05	10000	2.085E-05			500000	1.98486E-05	10000	
Lead	0	0	100	0.0012504	1000	0.0011941					10000	0.0012303
Magnesium	0	0	5100		50000	2.681E-06			500000	2.6734E-06	10000	
Manganese	0	0	100	0.000289	1000	2.7798E-04	10000	2.6646E-04			10000	
Molybdenum	0	0	100	0.0035726	1000	0.0036449					10000	0.0036396
Nickel	0	0	100	0.0031679	1000	0.0030861					10000	0.0031345
Potassium	0	0	1000	8.97E-06	10000	1.4532E-05						
Selenium	0	0	100	0.0003733	1000	3.7847E-04					10000	3.7115E-04
Silver	0	0	20	0.0000645	500	6.046E-05	2000	6.2585E-05				
Sodium	0	0	1000		50000	3.8762E-05						
Strontium	0	0	100	0.001578	1000	0.001569					10000	0.001574
Thallium	0	0	100	0.0005225	1000	5.1318E-04					10000	0.0005218
Tin	0	0	50	0.0012736	1000	0.001291					5000	1.29838E-03
Titanium	0	0	100	0.0002248	1000	2.1982E-04					10000	2.2074E-04
Vanadium	0	0	100	0.0000534	1000	5.231E-05					10000	5.2457E-05
Zinc	0	0	100	0.0067551	1000	0.0067875					10000	6.736699E-03
Aluminum	0	0	5000	2.1782E-05	10000	2.1933E-05			500000	2.1906E-05		
Antimony	0	0	100	0.0004931	1000	5.0332E-04					10000	5.0028E-04
Arsenic	0	0	100	0.000327	1000	3.4557E-04					10000	0.0003404
Barium	0	0	50	0.01063	1000	0.010071	5000	0.0102194				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2067001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	3/6/12 8:55 3/6/12 9:31

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	0.0026097	1000	0.0026105					10000	0.002555
Boron	0	0	50	0.0000152	1000	1.518E-05					5000	1.4916E-05
Cadmium	0	0	100	0.016466	1000	0.016461					10000	0.015726
Calcium	0	0	1100	0.0000691	50000	6.6376E-05					10000	
Chromium	0	0	100	0.0000497	1000	4.767E-05					10000	4.8132E-05
Cobalt	0	0	100	0.0045204	1000	0.0043835					10000	0.0044885
Copper	0	0	100	0.0000601	1000	5.504E-05					10000	5.5042E-05
Iron	0	0	5100	2.140392E-05	10000	2.085E-05			500000	1.98486E-05	10000	
Lead	0	0	100	0.0012504	1000	0.0011941					10000	0.0012303
Magnesium	0	0	5100		50000	2.681E-06			500000	2.6734E-06	10000	
Manganese	0	0	100	0.000289	1000	2.7798E-04	10000	2.6646E-04			10000	
Molybdenum	0	0	100	0.0035726	1000	0.0036449					10000	0.0036396
Nickel	0	0	100	0.0031679	1000	0.0030861					10000	0.0031345
Potassium	0	0	1000	8.97E-06	10000	1.4532E-05						
Selenium	0	0	100	0.0003733	1000	3.7847E-04					10000	3.7115E-04
Silver	0	0	20	0.0000645	500	6.046E-05	2000	6.2585E-05				
Sodium	0	0	1000		50000	3.8762E-05						
Strontium	0	0	100	0.001578	1000	0.001569					10000	0.001574
Thallium	0	0	100	0.0005225	1000	5.1318E-04					10000	0.0005218
Tin	0	0	50	0.0012736	1000	0.001291					5000	1.29838E-03
Titanium	0	0	100	0.0002248	1000	2.1982E-04					10000	2.2074E-04
Vanadium	0	0	100	0.0000534	1000	5.231E-05					10000	5.2457E-05
Zinc	0	0	100	0.0067551	1000	0.0067875					10000	6.736699E-03

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2067001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	3/6/12 8:55 3/6/12 9:31

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	6.3032E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5699E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.5347E-05										
Selenium												
Silver												
Sodium	100000	3.8344E-05	500000	3.7828E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2067001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	3/6/12 8:55 3/6/12 9:31

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	6.3032E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5699E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.5347E-05										
Selenium												
Silver												
Sodium	100000	3.8344E-05	500000	3.7828E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2067001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	3/6/12 8:55 3/6/12 9:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.640525E-05	66.66787	9.61972	193.103	1		0.998	
Antimony	3.74175E-04	66.6765	78.57009	198.4386	0.9999995		0.998	
Arsenic	2.532425E-04	66.73824	10.7564	193.0755	0.9999968		0.998	
Barium	0.0077301	66.73679	0.8813725	164.1985	0.9999893		0.998	
Beryllium	0.0019438	66.68006	6.81089	187.5119	0.9999957		0.998	
Boron	1.1324E-05	66.67646	3.256925	162.9804	0.9999887		0.998	
Cadmium	1.216325E-02	66.72792	2.993787	174.8744	0.9999798		0.998	
Calcium	4.9627E-05	66.85394	1.588142	156.5906	0.9999729		0.998	
Chromium	3.63755E-05	66.70944	6.979357	185.6569	0.9999987		0.998	
Cobalt	0.0033481	66.68955	1.74014	151.1907	0.999994		0.998	
Copper	4.25455E-05	66.9019	0.596115	68.65676	0.9999994		0.998	
Iron	1.552563E-05	66.79545	33.96139	197.811	0.9999992		0.998	
Lead	0.0009187	66.71487	40.35689	197.3614	0.9999908		0.998	
Magnesium	1.981075E-06	66.71572	73.04545	199.25	0.9999287		0.998	
Manganese	2.0836E-04	66.81281	1.459708	157.2415	0.9999839		0.998	
Molybdenum	2.714275E-03	66.67769	6.670483	186.8145	0.9999999		0.998	
Nickel	2.347125E-03	66.68202	2.600268	169.329	0.9999973		0.998	
Potassium	9.71225E-06	72.77147	0.86239	99.22618	0.9999975		0.998	
Selenium	2.8073E-04	66.67565	18.64267	194.2649	0.9999964		0.998	
Silver	4.688625E-05	66.7595	10.07011	187.8191	0.9999145		0.998	
Sodium	2.87335E-05	66.67992	7.457297	193.0439	0.9999918		0.998	
Strontium	1.18025E-03	66.6674	2.579625	156.1985	0.9999999		0.998	
Thallium	3.8937E-04	66.67555	3.33136	167.3036	0.9999976		0.998	
Tin	9.65745E-04	66.67534	3.11426	180.553	0.999999		0.998	
Titanium	1.6634E-04	66.67935	2.60936	157.8568	0.9999997		0.998	
Vanadium	3.954175E-05	66.67786	9.191935	192.4399	0.9999998		0.998	
Zinc	5.069825E-03	66.66795	16.42673	195.9663	0.9999995		0.998	
Aluminum	1.640525E-05	66.66787	9.61972	193.103	1		0.998	
Antimony	3.74175E-04	66.6765	78.57009	198.4386	0.9999995		0.998	
Arsenic	2.532425E-04	66.73824	10.7564	193.0755	0.9999968		0.998	
Barium	0.0077301	66.73679	0.8813725	164.1985	0.9999893		0.998	
Beryllium	0.0019438	66.68006	6.81089	187.5119	0.9999957		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2067001	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	3/6/12 8:55	3/6/12 9:31	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.1324E-05	66.67646	3.256925	162.9804	0.9999887		0.998	
Cadmium	1.216325E-02	66.72792	2.993787	174.8744	0.9999798		0.998	
Calcium	4.9627E-05	66.85394	1.588142	156.5906	0.9999729		0.998	
Chromium	3.63755E-05	66.70944	6.979357	185.6569	0.9999987		0.998	
Cobalt	0.0033481	66.68955	1.74014	151.1907	0.999994		0.998	
Copper	4.25455E-05	66.9019	0.596115	68.65676	0.9999994		0.998	
Iron	1.552563E-05	66.79545	33.96139	197.811	0.9999992		0.998	
Lead	0.0009187	66.71487	40.35689	197.3614	0.9999908		0.998	
Magnesium	1.981075E-06	66.71572	73.04545	199.25	0.9999287		0.998	
Manganese	2.0836E-04	66.81281	1.459708	157.2415	0.9999839		0.998	
Molybdenum	2.714275E-03	66.67769	6.670483	186.8145	0.9999999		0.998	
Nickel	2.347125E-03	66.68202	2.600268	169.329	0.9999973		0.998	
Potassium	9.71225E-06	72.77147	0.86239	99.22618	0.9999975		0.998	
Selenium	2.8073E-04	66.67565	18.64267	194.2649	0.9999964		0.998	
Silver	4.688625E-05	66.7595	10.07011	187.8191	0.9999145		0.998	
Sodium	2.87335E-05	66.67992	7.457297	193.0439	0.9999918		0.998	
Strontium	1.18025E-03	66.6674	2.579625	156.1985	0.9999999		0.998	
Thallium	3.8937E-04	66.67555	3.33136	167.3036	0.9999976		0.998	
Tin	9.65745E-04	66.67534	3.11426	180.553	0.999999		0.998	
Titanium	1.6634E-04	66.67935	2.60936	157.8568	0.9999997		0.998	
Vanadium	3.954175E-05	66.67786	9.191935	192.4399	0.9999998		0.998	
Zinc	5.069825E-03	66.66795	16.42673	195.9663	0.9999995		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0389

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-01
Sampled:	02/16/12 15:09	Received:	02/20/12 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	0.152	0.110	0.150	0.300	1	J	SM4500NH3BG	2B23002	02/23/12 14:01
18496-25-8	Sulfide	0.808	0.678	1.69	3.39	1	J	SM4500S2CF	2B21024	02/21/12 16:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	161	1.00	1.00	1.00	1		SM2320B	2B27005	02/27/12 13:38
16887-00-6	Chloride	55.6	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 03:07
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 14:55
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27005	02/27/12 13:38
14808-79-8	Sulfate as SO4	36.9	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 03:07

ANALYSIS DATA SHEET

GW0390

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-03
Sampled:	02/16/12 15:09	Received:	02/20/12 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	0.136	0.110	0.150	0.300	1	J	SM4500NH3BG	2B23002	02/23/12 14:02
18496-25-8	Sulfide	0.741	0.741	1.85	3.70	1	J	SM4500S2CF	2B21024	02/21/12 16:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	155	1.00	1.00	1.00	1		SM2320B	2B27005	02/27/12 13:46
16887-00-6	Chloride	55.5	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 03:24
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 14:56
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B27005	02/27/12 13:46
14808-79-8	Sulfate as SO4	38.4	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 03:24

ANALYSIS DATA SHEET

GW0444

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-05
Sampled:	02/17/12 11:07	Received:	02/20/12 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	0.132	0.110	0.150	0.300	1	J	SM4500NH3BG	2B23002	02/23/12 14:03
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	204	1.00	1.00	1.00	1		SM2320B	2B29001	02/29/12 10:07
16887-00-6	Chloride	13.0	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 03:42
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 14:58
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29001	02/29/12 10:07
14808-79-8	Sulfate as SO4	15.0	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 03:42

ANALYSIS DATA SHEET

GW0449

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-07
Sampled:	02/17/12 11:47	Received:	02/20/12 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	2B23002	02/23/12 14:06
18496-25-8	Sulfide		0.769	1.92	3.85	1	U	SM4500S2CF	2B21024	02/21/12 16:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	2B29001	02/29/12 10:59
16887-00-6	Chloride	8.63	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 03:59
NA	Nitrate/Nitrite as N	0.277	0.250	0.750	1.50	1	J	E353.2	2B27019	02/27/12 14:59
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29001	02/29/12 10:59
14808-79-8	Sulfate as SO4	29.8	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 03:59

ANALYSIS DATA SHEET

GW0450

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202137-09
Sampled:	02/17/12 11:47	Received:	02/20/12 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	2B23002	02/23/12 14:07
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B21024	02/21/12 16:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	97.3	1.00	1.00	1.00	1		SM2320B	2B29001	02/29/12 11:10
16887-00-6	Chloride	8.66	0.170	0.330	0.500	1		E300.0	2B21021	02/22/12 04:17
NA	Nitrate/Nitrite as N	0.258	0.250	0.750	1.50	1	J	E353.2	2B27019	02/27/12 15:01
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29001	02/29/12 11:10
14808-79-8	Sulfate as SO4	29.9	0.330	1.00	2.00	1		E300.0	2B21021	02/22/12 04:17

ANALYSIS DATA SHEET

GW0451

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-01
Sampled:	02/21/12 12:16	Received:	02/22/12 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	2B23002	02/23/12 14:08
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B24008	02/24/12 13:33
71-52-3	Alkalinity, Bicarbonate (as CACO3)	118	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 08:56
16887-00-6	Chloride	10.4	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 21:35
NA	Nitrate/Nitrite as N	0.671	0.250	0.750	1.50	1	J	E353.2	2B27019	02/27/12 15:25
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 08:56
14808-79-8	Sulfate as SO4	30.5	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 21:35

ANALYSIS DATA SHEET

GW0464

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-03
Sampled:	02/21/12 12:35	Received:	02/22/12 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 14:52
18496-25-8	Sulfide		0.714	1.79	3.57	1	U	SM4500S2CF	2B24008	02/24/12 13:34
71-52-3	Alkalinity, Bicarbonate (as CACO3)	107	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 09:07
16887-00-6	Chloride	7.54	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 14:55
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:27
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 09:07
14808-79-8	Sulfate as SO4	28.1	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 14:55

ANALYSIS DATA SHEET

GW0476

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-05
Sampled:	02/20/12 15:27	Received:	02/22/12 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 14:55
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:35
71-52-3	Alkalinity, Bicarbonate (as CACO3)	127	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 09:20
16887-00-6	Chloride	18.6	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 15:12
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:28
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 09:20
14808-79-8	Sulfate as SO4	38.3	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 15:12

ANALYSIS DATA SHEET

GW0478

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202147-07
Sampled:	02/20/12 12:17	Received:	02/22/12 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 14:56
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:36
71-52-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 09:39
16887-00-6	Chloride	7.50	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 15:30
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:30
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 09:39
14808-79-8	Sulfate as SO4	28.8	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 15:30

ANALYSIS DATA SHEET

GW0440

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-01
Sampled:	02/22/12 14:14	Received:	02/23/12 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 14:57
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:37
71-52-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 09:45
16887-00-6	Chloride	7.00	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 15:47
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:31
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 09:45
14808-79-8	Sulfate as SO4	27.7	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 15:47

ANALYSIS DATA SHEET

GW0457

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-03
Sampled:	02/22/12 11:27	Received:	02/23/12 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 14:58
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2B24008	02/24/12 13:38
71-52-3	Alkalinity, Bicarbonate (as CACO3)	140	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 09:52
16887-00-6	Chloride	12.9	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 16:04
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 09:52
14808-79-8	Sulfate as SO4	30.9	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 16:04

ANALYSIS DATA SHEET

GW0462

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-05
Sampled:	02/21/12 15:11	Received:	02/23/12 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 14:59
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:39
71-52-3	Alkalinity, Bicarbonate (as CACO3)	381	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 10:15
16887-00-6	Chloride	134	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 17:49
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:34
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 10:15
14808-79-8	Sulfate as SO4		0.330	1.00	2.00	1	U	E300.0	2B28012	02/29/12 17:49

ANALYSIS DATA SHEET

GW0463

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-07
Sampled:	02/22/12 10:23	Received:	02/23/12 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 15:00
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:40
71-52-3	Alkalinity, Bicarbonate (as CACO3)	348	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 10:25
16887-00-6	Chloride	127	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 18:06
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 10:25
14808-79-8	Sulfate as SO4	23.2	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 18:06

ANALYSIS DATA SHEET

GW0477

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202153-09
Sampled:	02/21/12 15:41	Received:	02/23/12 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 15:01
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:41
71-52-3	Alkalinity, Bicarbonate (as CACO3)	125	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 10:41
16887-00-6	Chloride	34.4	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 18:24
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B27019	02/27/12 15:37
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 10:41
14808-79-8	Sulfate as SO4	50.8	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 18:24

ANALYSIS DATA SHEET

GW0399

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-01
Sampled:	02/22/12 15:47	Received:	02/24/12 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	0.116	0.110	0.150	0.300	1	J	SM4500NH3BG	2C05001	03/05/12 12:51
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:42
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2B29022	03/01/12 10:50
16887-00-6	Chloride	47.0	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 18:41
NA	Nitrate/Nitrite as N	0.944	0.250	0.750	1.50	1	J	E353.2	2B28015	02/28/12 14:21
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2B29022	03/01/12 10:50
14808-79-8	Sulfate as SO4	65.9	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 18:41

ANALYSIS DATA SHEET

GW0438

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-03
Sampled:	02/23/12 12:32	Received:	02/24/12 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	0.164	0.110	0.150	0.300	1	J	SM4500NH3BG	2C05001	03/05/12 12:52
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:43
71-52-3	Alkalinity, Bicarbonate (as CACO3)	193	1.00	1.00	1.00	1		SM2320B	2C05015	03/05/12 14:32
16887-00-6	Chloride	23.1	0.340	0.660	1.00	2	D	E300.0	2B28012	02/29/12 18:58
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B28015	02/28/12 14:22
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2C05015	03/05/12 14:32
14808-79-8	Sulfate as SO4	41.3	0.660	2.00	4.00	2	D	E300.0	2B28012	02/29/12 18:58

ANALYSIS DATA SHEET

GW0439

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-05
Sampled:	02/23/12 09:32	Received:	02/24/12 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	2C05001	03/05/12 12:53
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:44
71-52-3	Alkalinity, Bicarbonate (as CACO3)	115	1.00	1.00	1.00	1		SM2320B	2C05015	03/05/12 14:44
16887-00-6	Chloride	16.2	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 19:16
NA	Nitrate/Nitrite as N	0.552	0.250	0.750	1.50	1	J	E353.2	2B28015	02/28/12 14:23
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2C05015	03/05/12 14:44
14808-79-8	Sulfate as SO4	38.0	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 19:16

ANALYSIS DATA SHEET

GW0455

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-07
Sampled:	02/23/12 10:15	Received:	02/24/12 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	2C05001	03/05/12 12:56
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:37
71-52-3	Alkalinity, Bicarbonate (as CACO3)	125	1.00	1.00	1.00	1		SM2320B	2C05015	03/05/12 15:00
16887-00-6	Chloride	37.0	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 21:00
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B28015	02/28/12 14:28
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2C05015	03/05/12 15:00
14808-79-8	Sulfate as SO4	35.5	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 21:00

ANALYSIS DATA SHEET

GW0456

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1202159-09
Sampled:	02/23/12 14:05	Received:	02/24/12 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 15:03
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2B24008	02/24/12 13:38
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2C05015	03/05/12 15:16
16887-00-6	Chloride	7.35	0.170	0.330	0.500	1		E300.0	2B28012	02/29/12 21:18
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2B28015	02/28/12 14:29
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2C05015	03/05/12 15:16
14808-79-8	Sulfate as SO4	28.0	0.330	1.00	2.00	1		E300.0	2B28012	02/29/12 21:18

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_045
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 1L33502

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1L33502-ICV1	Chloride	4.800	5.082	106	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	24.04	100	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_045
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%
2B05309-CCV4	Chloride	25.00	25.24	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.00	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_045
Project: Kirtland AFB 2011
Calibration: 2054004
Sequence: 2B05410

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05410-ICV1	Ammonia as N	2.000	2.142	107	mg/L	+/- 10.00%
2B05410-CCV1	Ammonia as N	2.000	2.151	108	mg/L	+/- 10.00%
2B05410-CCV2	Ammonia as N	2.000	2.181	109	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_045
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

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_045
Project: Kirtland AFB 2011
Calibration: 2059003
Sequence: 2B05906

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05906-ICV1	Nitrate/Nitrite as N	1.200	1.212	101	mg/L	+/- 10.00%
2B05906-CCV1	Nitrate/Nitrite as N	1.200	1.191	99.2	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_045
Project: Kirtland AFB 2011
Calibration: 2059004
Sequence: 2B05913

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2B05913-ICV1	Nitrate/Nitrite as N	1.200	1.188	99.0	mg/L	+/- 10.00%
2B05913-CCV1	Nitrate/Nitrite as N	1.200	1.153	96.1	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_045
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%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_045
Project: Kirtland AFB 2011
Calibration: 2065002
Sequence: 2C06511

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2C06511-ICV1	Ammonia as N	2.000	2.197	110	mg/L	+/- 10.00%
2C06511-CCV1	Ammonia as N	2.000	2.186	109	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_045
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2C06712

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2C06712-CCV1	Chloride	25.00	25.66	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.39	102	mg/L	+/- 10.00%
2C06712-CCV2	Chloride	25.00	25.62	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.18	101	mg/L	+/- 10.00%
2C06712-CCV3	Chloride	25.00	25.49	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.16	101	mg/L	+/- 10.00%
2C06712-CCV4	Chloride	25.00	25.51	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.17	101	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

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

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2C06712

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2C06712-CRL1	Chloride	0.5000	0.5480	110	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5660	113	mg/L	75 - 125

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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_045
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
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B24008

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B24008-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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_045
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_045
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
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B28012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B28012-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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B28015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B28015-BLK1	Nitrate/Nitrite as N	-0.0196	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2B29022

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B29022-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2C05001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C05001-BLK1	Ammonia as N	0.0668	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2C05015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C05015-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1L33502
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1L33502-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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
2B05309-CCB4	Chloride	0.117	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_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05410
Calibration: 2054004
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05410-ICB1	Ammonia as N	-0.0004761	0.110	0.300	mg/L	U	SM4500NH3BG
2B05410-CCB1	Ammonia as N	-0.0503	0.110	0.300	mg/L	U	SM4500NH3BG
2B05410-CCB2	Ammonia as N	0.00107	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05906
Calibration: 2059003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05906-ICB1	Nitrate/Nitrite as N	-0.01130	0.0500	0.300	mg/L	U	E353.2
2B05906-CCB1	Nitrate/Nitrite as N	-0.0171	0.0500	0.300	mg/L	U	E353.2

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2B05913
Calibration: 2059004
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2B05913-ICB1	Nitrate/Nitrite as N	-0.02557	0.0500	0.300	mg/L	U	E353.2
2B05913-CCB1	Nitrate/Nitrite as N	-0.0168	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
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

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2C06511
Calibration: 2065002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C06511-ICB1	Ammonia as N	-0.02251	0.110	0.300	mg/L	U	SM4500NH3BG
2C06511-CCB1	Ammonia as N	-0.0225	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_045
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2C06712
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2C06712-CCB1	Chloride	0.239	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	0.204	0.330	2.00	mg/L	U	E300.0
2C06712-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
2C06712-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
2C06712-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

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B24008

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1150	ND	1219	106		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1150	1098	95.5	10.5		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0457

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28012

% Solids:

Source Sample Name: **1202153-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	12.91	39.05	94.1		80 - 120
Sulfate as SO4	27.78	30.86	56.63	92.7		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	41.83	104	6.87		20	80 - 120
Sulfate as SO4	27.78	59.38	103	4.75		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28012

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	16.18	44.25	101		80 - 120
Sulfate as SO4	27.78	38.04	65.15	97.6		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	44.75	103	1.12		20	80 - 120
Sulfate as SO4	27.78	66.11	101	1.46		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2B28015

% Solids:

Source Sample Name: **1202159-05**

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	0.5525	3.089	101		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	3.090	102	0.0324		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2C05001

% Solids:

Source Sample Name: **1202159-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.919	118		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	5.037	101	16.1		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0439

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2C05015

% Solids:

Source Sample Name: **1202159-05**

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	114.7	228.6	103		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	239.2	112	4.52		20	75 - 125

GW0457

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B28012
Preparation: pNone
Source Sample Name: GW0457

SDG: Kirtland_045
Project: Kirtland AFB 2011
Laboratory ID: 2B28012-DUP1
Lab Source ID: 1202153-03
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	12.84	0.551		E300.0
Sulfate as SO4	20	30.9	30.78	0.273		E300.0

DUPLICATES

GW0439

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2B28012
Preparation: pNone
Source Sample Name: GW0439

SDG: Kirtland_045
Project: Kirtland AFB 2011
Laboratory ID: 2B28012-DUP2
Lab Source ID: 1202159-05
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	16.2	15.85	2.05		E300.0
Sulfate as SO4	20	38.0	37.30	1.98		E300.0

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B24008	Laboratory ID:	2B24008-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

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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_045
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_045
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

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28012	Laboratory ID:	2B28012-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.971	104	90 - 110
Sulfate as SO4	24.00	24.52	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28012	Laboratory ID:	2B28012-BS2
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.957	103	90 - 110
Sulfate as SO4	24.00	24.43	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28012	Laboratory ID:	2B28012-BS3
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.957	103	90 - 110
Sulfate as SO4	24.00	24.45	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28012	Laboratory ID:	2B28012-BS4
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.053	105	90 - 110
Sulfate as SO4	24.00	24.47	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B28015	Laboratory ID:	2B28015-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	1.612	95.4	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2B29022	Laboratory ID:	2B29022-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	1078	108	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2C05001	Laboratory ID:	2C05001-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	5.194	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2C05015	Laboratory ID:	2C05015-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	1076	108	80 - 120

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01	02/21/12 13:02	5.00	5.00
GW0390	1202137-03	02/21/12 13:02	5.00	5.00
GW0444	1202137-05	02/21/12 13:02	5.00	5.00
GW0449	1202137-07	02/21/12 13:02	5.00	5.00
GW0450	1202137-09	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

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01	02/21/12 14:00	295.00	200.00
GW0390	1202137-03	02/21/12 14:00	270.00	200.00
GW0444	1202137-05	02/21/12 14:00	270.00	200.00
GW0449	1202137-07	02/21/12 14:00	260.00	200.00
GW0450	1202137-09	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

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01	02/23/12 07:25	100.00	100.00
GW0390	1202137-03	02/23/12 07:25	100.00	100.00
GW0444	1202137-05	02/23/12 07:25	100.00	100.00
GW0449	1202137-07	02/23/12 07:25	100.00	100.00
GW0450	1202137-09	02/23/12 07:25	100.00	100.00
GW0451	1202147-01	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

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B24008 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0451	1202147-01	02/24/12 11:43	295.00	200.00
GW0464	1202147-03	02/24/12 11:43	280.00	200.00
GW0476	1202147-05	02/24/12 11:43	270.00	200.00
GW0478	1202147-07	02/24/12 11:43	270.00	200.00
GW0440	1202153-01	02/24/12 11:43	270.00	200.00
GW0457	1202153-03	02/24/12 11:43	295.00	200.00
GW0462	1202153-05	02/24/12 11:43	270.00	200.00
GW0463	1202153-07	02/24/12 11:43	270.00	200.00
GW0477	1202153-09	02/24/12 11:43	270.00	200.00
GW0399	1202159-01	02/24/12 11:43	270.00	200.00
GW0438	1202159-03	02/24/12 11:43	270.00	200.00
GW0439	1202159-05	02/24/12 11:43	270.00	200.00
GW0455	1202159-07	02/24/12 11:43	270.00	200.00
GW0456	1202159-09	02/24/12 11:43	270.00	200.00
Blank	2B24008-BLK1	02/24/12 11:43	250.00	200.00
LCS	2B24008-BS1	02/24/12 11:43	3.00	250.00
GW0439	2B24008-MS1	02/24/12 11:43	3.00	295.00
GW0439	2B24008-MSD1	02/24/12 11:43	3.00	270.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0389	1202137-01	02/27/12 07:29	25.00	25.00
GW0390	1202137-03	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_045

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.
GW0389	1202137-01	02/27/12 13:23	4.00	20.00
GW0390	1202137-03	02/27/12 13:23	4.00	20.00
GW0444	1202137-05	02/27/12 13:23	4.00	20.00
GW0449	1202137-07	02/27/12 13:23	4.00	20.00
GW0450	1202137-09	02/27/12 13:23	4.00	20.00
GW0451	1202147-01	02/27/12 13:23	4.00	20.00
GW0464	1202147-03	02/27/12 13:23	4.00	20.00
GW0476	1202147-05	02/27/12 13:23	4.00	20.00
GW0478	1202147-07	02/27/12 13:23	4.00	20.00
GW0440	1202153-01	02/27/12 13:23	4.00	20.00
GW0457	1202153-03	02/27/12 13:23	4.00	20.00
GW0462	1202153-05	02/27/12 13:23	4.00	20.00
GW0463	1202153-07	02/27/12 13:23	4.00	20.00
GW0477	1202153-09	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

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0464	1202147-03	02/28/12 07:28	100.00	100.00
GW0476	1202147-05	02/28/12 07:28	100.00	100.00
GW0478	1202147-07	02/28/12 07:28	100.00	100.00
GW0440	1202153-01	02/28/12 07:28	100.00	100.00
GW0457	1202153-03	02/28/12 07:28	100.00	100.00
GW0462	1202153-05	02/28/12 07:28	100.00	100.00
GW0463	1202153-07	02/28/12 07:28	100.00	100.00
GW0477	1202153-09	02/28/12 07:28	100.00	100.00
GW0456	1202159-09	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

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B28012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0451	1202147-01	02/28/12 11:05	5.00	5.00
GW0464	1202147-03	02/28/12 11:05	5.00	5.00
GW0476	1202147-05	02/28/12 11:05	5.00	5.00
GW0478	1202147-07	02/28/12 11:05	5.00	5.00
GW0440	1202153-01	02/28/12 11:05	5.00	5.00
GW0457	1202153-03	02/28/12 11:05	5.00	5.00
GW0462	1202153-05	02/28/12 11:05	5.00	5.00
GW0463	1202153-07	02/28/12 11:05	5.00	5.00
GW0477	1202153-09	02/28/12 11:05	5.00	5.00
GW0399	1202159-01	02/28/12 11:05	5.00	5.00
GW0438	1202159-03	02/28/12 11:05	5.00	5.00
GW0439	1202159-05	02/28/12 11:05	5.00	5.00
GW0455	1202159-07	02/28/12 11:05	5.00	5.00
GW0456	1202159-09	02/28/12 11:05	5.00	5.00
Blank	2B28012-BLK1	02/28/12 11:05	5.00	5.00
LCS	2B28012-BS1	02/28/12 11:05	5.00	5.00
LCS	2B28012-BS2	02/28/12 11:05	5.00	5.00
LCS	2B28012-BS3	02/28/12 11:05	5.00	5.00
LCS	2B28012-BS4	02/28/12 11:05	5.00	5.00
GW0457	2B28012-DUP1	02/28/12 11:05	5.00	5.00
GW0439	2B28012-DUP2	02/28/12 11:05	5.00	5.00
GW0457	2B28012-MS1	02/28/12 11:05	22.50	25.00
GW0439	2B28012-MS2	02/28/12 11:05	22.50	25.00
GW0457	2B28012-MSD1	02/28/12 11:05	22.50	25.00
GW0439	2B28012-MSD2	02/28/12 11:05	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B28015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0399	1202159-01	02/28/12 13:46	4.00	20.00
GW0438	1202159-03	02/28/12 13:46	4.00	20.00
GW0439	1202159-05	02/28/12 13:46	4.00	20.00
GW0455	1202159-07	02/28/12 13:46	4.00	20.00
GW0456	1202159-09	02/28/12 13:46	4.00	20.00
Blank	2B28015-BLK1	02/28/12 13:46	20.00	20.00
LCS	2B28015-BS1	02/28/12 13:46	20.00	20.00
GW0439	2B28015-MS1	02/28/12 13:46	4.00	20.00
GW0439	2B28015-MSD1	02/28/12 13:46	4.00	20.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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.
GW0444	1202137-05	02/29/12 07:13	25.00	25.00
GW0449	1202137-07	02/29/12 07:13	25.00	25.00
GW0450	1202137-09	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

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2B29022 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0451	1202147-01	02/29/12 15:48	25.00	25.00
GW0464	1202147-03	02/29/12 15:48	25.00	25.00
GW0476	1202147-05	02/29/12 15:48	25.00	25.00
GW0478	1202147-07	02/29/12 15:48	25.00	25.00
GW0440	1202153-01	02/29/12 15:48	25.00	25.00
GW0457	1202153-03	02/29/12 15:48	25.00	25.00
GW0462	1202153-05	02/29/12 15:48	25.00	25.00
GW0463	1202153-07	02/29/12 15:48	25.00	25.00
GW0477	1202153-09	02/29/12 15:48	25.00	25.00
GW0399	1202159-01	02/29/12 15:48	25.00	25.00
Blank	2B29022-BLK1	02/29/12 15:48	25.00	25.00
LCS	2B29022-BS1	02/29/12 15:48	5.00	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2C05001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0399	1202159-01	03/05/12 06:50	100.00	100.00
GW0438	1202159-03	03/05/12 06:50	100.00	100.00
GW0439	1202159-05	03/05/12 06:50	100.00	100.00
GW0455	1202159-07	03/05/12 06:50	100.00	100.00
Blank	2C05001-BLK1	03/05/12 06:50	100.00	100.00
LCS	2C05001-BS1	03/05/12 06:50	100.00	100.00
GW0439	2C05001-MS1	03/05/12 06:50	100.00	100.00
GW0439	2C05001-MSD1	03/05/12 06:50	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_045

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

Batch: 2C05015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0438	1202159-03	03/05/12 10:50	25.00	25.00
GW0439	1202159-05	03/05/12 10:50	25.00	25.00
GW0455	1202159-07	03/05/12 10:50	25.00	25.00
GW0456	1202159-09	03/05/12 10:50	25.00	25.00
Blank	2C05015-BLK1	03/05/12 10:50	25.00	25.00
LCS	2C05015-BS1	03/05/12 10:50	5.00	25.00
GW0439	2C05015-MS1	03/05/12 10:50	22.50	25.00
GW0439	2C05015-MSD1	03/05/12 10:50	22.50	25.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
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
LCS	2B29022-BS1	030112-003	03/01/12 08:11
Blank	2B29022-BLK1	030112-004	03/01/12 08:19
Blank	2C05015-BLK1	030512-003	03/05/12 13:40
LCS	2C05015-BS1	030512-004	03/05/12 13:50
GW0439	2C05015-MS1	030512-005	03/05/12 13:55
GW0439	2C05015-MSD1	030512-006	03/05/12 14:25

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_045

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2B21024-BS1	022112-002	02/21/12 16:00
Blank	2B21024-BLK1	022112-003	02/21/12 16:03
LCS	2B24008-BS1	022412-002	02/24/12 13:30
Blank	2B24008-BLK1	022412-003	02/24/12 13:31
GW0439	2B24008-MS1	022412-017	02/24/12 13:35
GW0439	2B24008-MSD1	022412-018	02/24/12 13:36

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1L33502	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1L33502-CAL1	112911-003	11/29/11 18:23
Cal Standard	1L33502-CAL2	112911-004	11/29/11 18:40
Cal Standard	1L33502-CAL3	112911-005	11/29/11 18:57
Cal Standard	1L33502-CAL4	112911-006	11/29/11 19:15
Cal Standard	1L33502-CAL5	112911-007	11/29/11 19:32
Cal Standard	1L33502-CAL6	112911-008	11/29/11 19:50
Cal Standard	1L33502-CAL7	112911-009	11/29/11 20:07
Cal Standard	1L33502-CAL8	112911-010	11/29/11 20:24
Initial Cal Check	1L33502-ICV1	112911-011	11/29/11 20:42
Initial Cal Blank	1L33502-ICB1	112911-012	11/29/11 20:59

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
Calibration Check	2B05309-CCV2	022112-033	02/21/12 23:21
Calibration Blank	2B05309-CCB2	022112-034	02/21/12 23:38
Calibration Check	2B05309-CCV3	022112-044	02/22/12 02:32
Calibration Blank	2B05309-CCB3	022112-045	02/22/12 02:50
GW0389	1202137-01	022112-046	02/22/12 03:07
GW0390	1202137-03	022112-047	02/22/12 03:24
GW0444	1202137-05	022112-048	02/22/12 03:42
GW0449	1202137-07	022112-049	02/22/12 03:59
GW0450	1202137-09	022112-050	02/22/12 04:17
Calibration Check	2B05309-CCV4	022112-051	02/22/12 04:34
Calibration Blank	2B05309-CCB4	022112-052	02/22/12 04:52

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0389	1202137-01	M_2-23-2012_01-40-12PM-02	02/23/12 14:01
GW0390	1202137-03	M_2-23-2012_01-40-12PM-02	02/23/12 14:02
GW0444	1202137-05	M_2-23-2012_01-40-12PM-02	02/23/12 14:03
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
GW0449	1202137-07	M_2-23-2012_01-40-12PM-02	02/23/12 14:06
GW0450	1202137-09	M_2-23-2012_01-40-12PM-02	02/23/12 14:07
GW0451	1202147-01	M_2-23-2012_01-40-12PM-02	02/23/12 14:08
Calibration Check	2B05410-CCV2	M_2-23-2012_01-40-12PM-03	02/23/12 14:11
Calibration Blank	2B05410-CCB2	M_2-23-2012_01-40-12PM-03	02/23/12 14:12

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0389	1202137-01	M_2-27-2012_02-24-09PM-02	02/27/12 14:55
GW0390	1202137-03	M_2-27-2012_02-24-09PM-02	02/27/12 14:56
GW0444	1202137-05	M_2-27-2012_02-24-09PM-02	02/27/12 14:58
GW0449	1202137-07	M_2-27-2012_02-24-09PM-02	02/27/12 14:59
GW0450	1202137-09	M_2-27-2012_02-24-09PM-02	02/27/12 15:01
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

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05906	Instrument:	WC-Lachat
Calibration:	2059003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05906-CAL1	M_2-27-2012_03-08-40PM-00	02/27/12 15:09
Cal Standard	2B05906-CAL2	M_2-27-2012_03-08-40PM-00	02/27/12 15:11
Cal Standard	2B05906-CAL3	M_2-27-2012_03-08-40PM-00	02/27/12 15:12
Cal Standard	2B05906-CAL4	M_2-27-2012_03-08-40PM-00	02/27/12 15:14
Cal Standard	2B05906-CAL5	M_2-27-2012_03-08-40PM-00	02/27/12 15:15
Cal Standard	2B05906-CAL6	M_2-27-2012_03-08-40PM-00	02/27/12 15:16
Cal Standard	2B05906-CAL7	M_2-27-2012_03-08-40PM-00	02/27/12 15:18
Cal Standard	2B05906-CAL8	M_2-27-2012_03-08-40PM-00	02/27/12 15:19
Initial Cal Check	2B05906-ICV1	M_2-27-2012_03-08-40PM-00	02/27/12 15:21
Initial Cal Blank	2B05906-ICB1	M_2-27-2012_03-08-40PM-01	02/27/12 15:22
GW0451	1202147-01	M_2-27-2012_03-08-40PM-01	02/27/12 15:25
GW0464	1202147-03	M_2-27-2012_03-08-40PM-01	02/27/12 15:27
GW0476	1202147-05	M_2-27-2012_03-08-40PM-01	02/27/12 15:28
GW0478	1202147-07	M_2-27-2012_03-08-40PM-01	02/27/12 15:30
GW0440	1202153-01	M_2-27-2012_03-08-40PM-01	02/27/12 15:31
GW0457	1202153-03	M_2-27-2012_03-08-40PM-01	02/27/12 15:32
GW0462	1202153-05	M_2-27-2012_03-08-40PM-01	02/27/12 15:34
GW0463	1202153-07	M_2-27-2012_03-08-40PM-01	02/27/12 15:35
GW0477	1202153-09	M_2-27-2012_03-08-40PM-02	02/27/12 15:37
Calibration Check	2B05906-CCV1	M_2-27-2012_03-08-40PM-02	02/27/12 15:40
Calibration Blank	2B05906-CCB1	M_2-27-2012_03-08-40PM-02	02/27/12 15:41

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2B05913	Instrument:	WC-Lachat
Calibration:	2059004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2B05913-CAL1	M_2-28-2012_02-00-00PM-00	02/28/12 14:02
Cal Standard	2B05913-CAL2	M_2-28-2012_02-00-00PM-00	02/28/12 14:03
Cal Standard	2B05913-CAL3	M_2-28-2012_02-00-00PM-00	02/28/12 14:04
Cal Standard	2B05913-CAL4	M_2-28-2012_02-00-00PM-00	02/28/12 14:06
Cal Standard	2B05913-CAL5	M_2-28-2012_02-00-00PM-00	02/28/12 14:07
Cal Standard	2B05913-CAL6	M_2-28-2012_02-00-00PM-00	02/28/12 14:09
Cal Standard	2B05913-CAL7	M_2-28-2012_02-00-00PM-00	02/28/12 14:10
Cal Standard	2B05913-CAL8	M_2-28-2012_02-00-00PM-00	02/28/12 14:12
Initial Cal Check	2B05913-ICV1	M_2-28-2012_02-00-00PM-00	02/28/12 14:13
Initial Cal Blank	2B05913-ICB1	M_2-28-2012_02-00-00PM-01	02/28/12 14:15
Blank	2B28015-BLK1	M_2-28-2012_02-00-00PM-01	02/28/12 14:18
LCS	2B28015-BS1	M_2-28-2012_02-00-00PM-01	02/28/12 14:19
GW0399	1202159-01	M_2-28-2012_02-00-00PM-01	02/28/12 14:21
GW0438	1202159-03	M_2-28-2012_02-00-00PM-01	02/28/12 14:22
GW0439	1202159-05	M_2-28-2012_02-00-00PM-01	02/28/12 14:23
GW0439	2B28015-MS1	M_2-28-2012_02-00-00PM-01	02/28/12 14:25
GW0439	2B28015-MSD1	M_2-28-2012_02-00-00PM-01	02/28/12 14:26
GW0455	1202159-07	M_2-28-2012_02-00-00PM-01	02/28/12 14:28
GW0456	1202159-09	M_2-28-2012_02-00-00PM-02	02/28/12 14:29
Calibration Check	2B05913-CCV1	M_2-28-2012_02-00-00PM-02	02/28/12 14:31
Calibration Blank	2B05913-CCB1	M_2-28-2012_02-00-00PM-02	02/28/12 14:32

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
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
GW0464	1202147-03	M_2-29-2012_02-31-34PM-02	02/29/12 14:52
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
GW0476	1202147-05	M_2-29-2012_02-31-34PM-02	02/29/12 14:55
GW0478	1202147-07	M_2-29-2012_02-31-34PM-02	02/29/12 14:56
GW0440	1202153-01	M_2-29-2012_02-31-34PM-02	02/29/12 14:57
GW0457	1202153-03	M_2-29-2012_02-31-34PM-02	02/29/12 14:58
GW0462	1202153-05	M_2-29-2012_02-31-34PM-02	02/29/12 14:59
GW0463	1202153-07	M_2-29-2012_02-31-34PM-03	02/29/12 15:00
GW0477	1202153-09	M_2-29-2012_02-31-34PM-03	02/29/12 15:01
GW0456	1202159-09	M_2-29-2012_02-31-34PM-03	02/29/12 15:03
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

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06511	Instrument:	WC-Lachat
Calibration:	2065002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2C06511-CAL1	)M_3-5-2012_12-38-36PM-00	03/05/12 12:39
Cal Standard	2C06511-CAL2	)M_3-5-2012_12-38-36PM-00	03/05/12 12:40
Cal Standard	2C06511-CAL3	)M_3-5-2012_12-38-36PM-00	03/05/12 12:41
Cal Standard	2C06511-CAL4	)M_3-5-2012_12-38-36PM-00	03/05/12 12:42
Cal Standard	2C06511-CAL5	)M_3-5-2012_12-38-36PM-00	03/05/12 12:43
Cal Standard	2C06511-CAL6	)M_3-5-2012_12-38-36PM-00	03/05/12 12:44
Cal Standard	2C06511-CAL7	)M_3-5-2012_12-38-36PM-00	03/05/12 12:45
Cal Standard	2C06511-CAL8	)M_3-5-2012_12-38-36PM-00	03/05/12 12:46
Initial Cal Check	2C06511-ICV1	)M_3-5-2012_12-38-36PM-00	03/05/12 12:47
Initial Cal Blank	2C06511-ICB1	)M_3-5-2012_12-38-36PM-01	03/05/12 12:48
Blank	2C05001-BLK1	)M_3-5-2012_12-38-36PM-01	03/05/12 12:49
LCS	2C05001-BS1	)M_3-5-2012_12-38-36PM-01	03/05/12 12:50
GW0399	1202159-01	)M_3-5-2012_12-38-36PM-01	03/05/12 12:51
GW0438	1202159-03	)M_3-5-2012_12-38-36PM-01	03/05/12 12:52
GW0439	1202159-05	)M_3-5-2012_12-38-36PM-01	03/05/12 12:53
GW0439	2C05001-MS1	)M_3-5-2012_12-38-36PM-01	03/05/12 12:54
GW0439	2C05001-MSD1	)M_3-5-2012_12-38-36PM-01	03/05/12 12:55
GW0455	1202159-07	)M_3-5-2012_12-38-36PM-01	03/05/12 12:56
Calibration Check	2C06511-CCV1	)M_3-5-2012_12-38-36PM-02	03/05/12 13:02
Calibration Blank	2C06511-CCB1	)M_3-5-2012_12-38-36PM-02	03/05/12 13:03

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06712	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2C06712-CCV1	022912-005	02/29/12 11:26
Calibration Blank	2C06712-CCB1	022912-006	02/29/12 11:43
Instrument RL Check	2C06712-CRL1	022912-007	02/29/12 12:01
LCS	2B28012-BS1	022912-010	02/29/12 12:53
LCS	2B28012-BS2	022912-011	02/29/12 13:10
LCS	2B28012-BS3	022912-012	02/29/12 13:28
LCS	2B28012-BS4	022912-013	02/29/12 13:45
Blank	2B28012-BLK1	022912-016	02/29/12 14:37
GW0464	1202147-03	022912-017	02/29/12 14:55
GW0476	1202147-05	022912-018	02/29/12 15:12
GW0478	1202147-07	022912-019	02/29/12 15:30
GW0440	1202153-01	022912-020	02/29/12 15:47
GW0457	1202153-03	022912-021	02/29/12 16:04
GW0457	2B28012-MS1	022912-022	02/29/12 16:22
GW0457	2B28012-MSD1	022912-023	02/29/12 16:39
GW0457	2B28012-DUP1	022912-024	02/29/12 16:57
Calibration Check	2C06712-CCV2	022912-025	02/29/12 17:14
Calibration Blank	2C06712-CCB2	022912-026	02/29/12 17:31
GW0462	1202153-05	022912-027	02/29/12 17:49
GW0463	1202153-07	022912-028	02/29/12 18:06
GW0477	1202153-09	022912-029	02/29/12 18:24
GW0399	1202159-01	022912-030	02/29/12 18:41
GW0438	1202159-03	022912-031	02/29/12 18:58
GW0439	1202159-05	022912-032	02/29/12 19:16
GW0439	2B28012-MS2	022912-033	02/29/12 19:33
GW0439	2B28012-MSD2	022912-034	02/29/12 19:51
GW0439	2B28012-DUP2	022912-035	02/29/12 20:08
Calibration Check	2C06712-CCV3	022912-036	02/29/12 20:25
Calibration Blank	2C06712-CCB3	022912-037	02/29/12 20:43
GW0455	1202159-07	022912-038	02/29/12 21:00
GW0456	1202159-09	022912-039	02/29/12 21:18
GW0451	1202147-01	022912-040	02/29/12 21:35

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_045
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06712	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2C06712-CCV4	022912-041	02/29/12 21:53
Calibration Blank	2C06712-CCB4	022912-042	02/29/12 22:10