ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_049

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

SUBMITTAL TO:
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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

Sample GW0527 has a sample date of 04/11/2012 on the sample container but on the CoC, has a sample date of 04/12/2012. As per the client, sample GW0527 was sampled on 04/11/2012. Sample GW0590 has a sample time of 14:57 on the sample container but the CoC, has a sample time of 16:39. As per the client, sample GW0590 was sampled at 16:39.

Changes to the Revision
Revision 01: Report was revised to replace original SW8011 results for sample 1204054-15 with out-of-hold re-extraction due to apparent poor extraction on the original results.

Analytical Information
All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. Sample prep and dilution information is provided within the final results report and at the beginning of each form set. The following information is provided specific to individual methods:

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

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

SW8260B:
The following continuing calibration verifications exceeded criteria:
2D10704-CCV1 with a negative bias for Bromomethane.
2D10810-CCV1 with a negative bias for Bromomethane and Chloromethane and a positive bias for 2-Hexanone and 4-Methyl-2-pentanone

The following blanks have positive results:
2D13002-BLK1 for Hexachlorobutadiene
2D16005-BLK1 for Hexachlorobutadiene

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

SW8270C BNA:
The following surrogates exceeded criteria:
2-Fluorophenol with a negative bias in 1204038-11 and 1204063-01

The following batch spikes exceeded criteria:
2D06002-BS1 with a negative bias for Caprolactam
2D13004-BS1/BSD1 with a positive bias for Butylbenzylphthalate
2D13010-BS1/BSD1 with a positive bias for Butylbenzylphthalate, a negative bias for Caprolactam, and exceeded relative percent difference criteria for 2,4-Dinitrophenol and 4-Nitrophenol

The following continuing calibration verifications exceeded criteria:
2D10004-CCV1 with a positive bias for 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, Bis(2-ethylhexyl)phthalate, and Hexachlorocyclopentadiene
2D10004-CCV2 with a positive bias for Benzidine
2D10708-CCV1 with a positive bias for 2,4-Dinitrophenol and Hexachlorocyclopentadiene
2D10708-CCV2 with a positive bias for Benzidine
2D10909-CCV1 with a positive bias for 2,4-Dinitrophenol, Hexachlorocyclopentadiene, and 2-Nitrophenol
2D10909-CCV2 with a positive bias for Benzidine and 3,3'-Dichlorobenzidine

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

SW8270C PAH:
The following continuing calibration verifications exceeded criteria:
2D11613-CCV1 with a negative bias for Naphthalene

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

been applied.

SW8015B DRO:
No anomalies or deviations are noted.

SW8015B GRO:
The following continuing calibration verifications exceeded criteria:
2D10117-CCV2 with a negative 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:
No anomalies or deviations are noted.

Wet Chemistry:
The following blanks have positive results:
2D10706-CCB1 for Nitrate/Nitrite as N
2D11407-ICB1 for Nitrate/Nitrite as N

The following matrix spikes exceeded criteria:
2D16011-MS1/MSD1 (1204063-09) with a positive bias for Nitrate/Nitrite as N

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

Shaw
Shaw E & I, Inc.

1264038

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW188

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

Samples Shipment Date: 05 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617420

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: 4/5/12 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: 4/6/12 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
01	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
02	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
01	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		

1204038

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW188

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0500	KAFB-003-WG-GW0500-REG	04 APR 2012	13:04	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
03	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
04	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
03	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0501	KAFB-015-WG-GW0501-REG	04 APR 2012	11:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
05	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
05	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0502	KAFB-016-WG-GW0502-REG	04 APR 2012	12:18	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
07	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	1000 mL A GLASS	2	None except cool to 4 C	PAHs by SW846 8270C (Low Level - SIM)			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW188

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0503	ST106-VA2-WG-GW0503-REG	04 APR 2012	9:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
09	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
10	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0504	ST106-VA2-WG-GW0504-FD	04 APR 2012	09:45	1000 mL A GLASS	2	None except cool to 4 C	PAHs by SW846 8270C (Low Level - SIM)			N		
11	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
12	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	250 mL HDPE	1	HNO3<pH 2 DLO 4/5/12	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	1000 mL A GLASS	1	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1204038

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW188

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
11	GW0520	KAFB-106017-WG-GW0520-REG	04 APR 2012	16:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
14	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0521	KAFB-10601B-WG-GW0521-REG	04 APR 2012	13:32	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0521	KAFB-106018-WG-GW0521-REG	04 APR 2012	13:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
15	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
16	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0522	KAFB-106019-WG-GW0522-REG	04 APR 2012	10:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
17	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
18	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by			N		

1204038

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW188

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								SW846 6010C					
17	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0523	KAFB-106019-WG-GW0523-FD	04 APR 2012	10:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
19	GW8188-TB	FIELDQC-BW-GW8188-TB-TB	04 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 04/06/12 @ 0820

1. Tracking #_7420_(last 4 digits, FedEx) WO# 1204038

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened 0.8 Degrees Celsius + correction factor - 0.2 = 0.6

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/06/12 @ 0820

1. Tracking # 7420 (last 4 digits, FedEx) WO# 1204038

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.4 *Degrees Celsius + correction factor* - 0.2 = 0.2

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

13a. Were VOA vials received? YES...NO...NA JD 4-6-12

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) 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) BM

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

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

Additional Details:

Cooler Received/Opened On_ 04/06/12 @ 0820

WO# 1204030

1. Tracking # 7442 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.2 *Degrees Celsius + correction factor* - 0.2 = 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: 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) [illegible]

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

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

Additional Details:

Cooler Received/Opened On_ 04/06/12 @ 0820

1. Tracking #_7453_(last 4 digits, FedEx) WO# 1204038

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.2 Degrees Celsius + correction factor - 0.2 = 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 # 4

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) [illegible]

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

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

Additional Details:

Cooler Received/Opened On_ 04/06/12 @ 0820

1. Tracking #_7464_(last 4 digits, FedEx) WO# 1204038

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.6 *Degrees Celsius + correction factor* - 0.2 = 1.4

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

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

If yes, how many and where: 1 FRONT

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 # 5

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) [illegible]

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

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

Additional Details:

Cooler Received/Opened On_ 04/06/12 @ 0820

1. Tracking # 7475 (last 4 digits, FedEx) WO# 1204038

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.6 *Degrees Celsius + correction factor - 0.2* = 1.4

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

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

If yes, how many and where: 1 FRONT

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 # 6

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) [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:

1204054

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW189

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

Samples Shipment Date: 10 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617486

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Date: 4/10/12 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) jackdeutlin Date: 4/11/12 Time: 0830
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) Date: Time:

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 GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1204054

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW189

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 GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01 GW0529	KAFB-106026-WG-GW0529-REG	09 APR 2012	11:29	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03 GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04 GW0544	KAFB-106042-WG-GW0544-REG	10 APR 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05 GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06 GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05 GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0545	KAFB-106042-WG-GW0545-FD	10 APR 2012	13:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07 GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW189

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0546	KAFB-106043-WG-GW0546-REG	10 APR 2012	11:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0590	KAFB-106082-WG-GW0590-REG	09 APR 2012	16:39	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
11	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0591	KAFB-106083-WG-GW0591-REG	09 APR 2012	14:26	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW189

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
14	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0592	KAFB-106084-WG-GW0592-REG	09 APR 2012	11:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
15	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
16	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0597	KAFB-106089-WG-GW0597-REG	10 APR 2012	14:20	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
17	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
18	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW189

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
17	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0598	KAFB-106090-WG-GW0598-REG	10 APR 2012	12:04	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
19	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
20	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0604	KAFB-106095-WG-GW0604-REG	09 APR 2012	15:34	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
21	GW8189-TB	FIELDQC-BW-GW8189-TB-TB	09 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 04/11/12 @ 0830

WO# 1204054

1. Tracking # 7486 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.2 *Degrees Celsius + correction factor* - 0.2 = 2.0

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/11/12 @ 0830

WO# 1204054

1. Tracking # 7497 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.7 Degrees Celsius + correction factor - 0.2 = 0.5

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

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

If yes, how many and where: 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) JD

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/11/12 @ 0830

WO# 1204054

1. Tracking # 7591 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.8 *Degrees Celsius + correction factor - 0.2* = 1.6

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

12. Did all container labels and tags agree with custody papers? YES...NO...NA ** JD 4-11-12

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:

** For sample: ~~GW0490~~ GW0590 JD 4-11-12, COC stated that it was sampled at 16:39. The container labels say 14:57.

Cooler Received/Opened On_ 04/11/12 @ 0830

1. Tracking #_7512_(last 4 digits, FedEx) WO# 1204054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.4 *Degrees Celsius + correction factor* - 0.2 = 4.2

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

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

If yes, how many and where: (FRONT)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/11/12 @ 0830

WO# 1204054

1. Tracking # 7523 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.3 *Degrees Celsius + correction factor* - 0.2 = 0.1

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/11/12 @ 0830

1. Tracking #_____7534_____(last 4 digits, FedEx) WO# 1204054

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.8 *Degrees Celsius + correction factor - 0.2* = 4.6

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) (B)

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 # 6

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:

1204063

Shaw
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW190

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

Samples Shipment Date: 11 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617545

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: 4/11/12 Time: 1600
1. Received By (Signature/Affiliation) jack deville jr. — Date: 4-12-12 Time: 0820
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: Time:

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 GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02 GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01 GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

1204063

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW190

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0505	KAFB3411-WG-GW0505-REG	10 APR 2012	16:17	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0506	KAFB-106001-WG-GW0506-REG	11 APR 2012	10:19	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0510	KAFB-106007-WG-GW0510-REG	11 APR 2012	12:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

Kirtland 040 Sump Package

1204063

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW190

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0596	KAFB-106088-WG-GW0596-REG	10 APR 2012	16:46	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
09	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
10	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0605	KAFB-106096-WG-GW0605-REG	11 APR 2012	14:16	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW8190-TB	FIELDQC-BW-GW8190-TB-TB	11 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 04/1212 @ 0820

WO# 1204063

1. Tracking # 7545 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.5 *Degrees Celsius + correction factor* - 0.2 = 0.3

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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) _____

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/1212 @ 0820

WO# 1204063

1. Tracking # 7556 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.9 *Degrees Celsius + correction factor* - 0.2 = 1.7

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/1212 @ 0820

WO# 1204063

1. Tracking # 7567 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.5 *Degrees Celsius + correction factor - 0.2* = 3.3

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

1204074

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW191

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

Samples Shipment Date: 12 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617578

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Date: 4/12/12 Time: 1600
1. Received By (Signature/Affiliation) jack deville jr. Date: 4-13-12 Time: 0820
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: Time:

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	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B •			N		
02	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

1204074

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW191

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0527	KAFB-106024-WG-GW0527-REG	12 APR 2012	15:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, ~~Magnesium, Sodium, and Lead by~~ SW846 6010C			N		
03	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0547	KAFB-106027-WG-GW0547-REG	12 APR 2012	15:10	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
~~05~~	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0548	KAFB-106044-WG-GW0548-REG	12 APR 2012	12:50	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW191

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0549	KAFB-106045-WG-GW0549-REG	12 APR 2012	10:30	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
10	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0576	KAFB-106070-WG-GW0576-REG	12 APR 2012	15:50	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
12	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0577	KAFB-106071-WG-GW0577-REG	12 APR 2012	10:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
13	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW191

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Alkalinity by SM2320B					
14	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0578	KAFB-106071-WG-GW0578-FD	12 APR 2012	10:55	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
15	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
16	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0579	KAFB-106072-WG-GW0579-REG	12 APR 2012	13:39	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
17	GW8191-TB	FIELDQC-BW-GW8191-TB-TB	12 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

JD 4-13-12

Cooler Received/Opened On_ 04/13/12 @ 0820

1. Tracking #_7570_(last 4 digits, FedEx) WO# 1204074

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.3 *Degrees Celsius + correction factor - 0.2* = 1.1

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-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 # 1

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:

13 JD 4-13-12

Cooler Received/Opened On_ 04/13/12 @ 0820

1. Tracking # 7589 (last 4 digits, FedEx)

WO# 1204074

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius + correction factor - 0.2 = 0.9

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

Cooler Received/Opened On_ 04/11/12 @ 0820 JD 4-13-12

1. Tracking # 7590 (last 4 digits, FedEx) WO# 1204074

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.9 *Degrees Celsius + correction factor - 0.2* = 2.7

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

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

If yes, how many and where: 1 FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

-JD 4-13-12

Cooler Received/Opened On_ 04/13/12 @ 0820

1. Tracking #_____7604_____(last 4 digits, FedEx)

WO# 1204074

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 4.1 Degrees Celsius + correction factor - 0.2 = 3.9

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

JD 4-13-12

Cooler Received/Opened On_ 04/11/12 @ 0820

WO# 1204074

1. Tracking # 7615 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.0 Degrees Celsius + correction factor - 0.2 = 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~~ Yes JD 4-13-12

12. Did all container labels and tags agree with custody papers? ~~YES...NO...NA~~ * NO JD - 4-13-12

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

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

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

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

* Sample: GW0527 is labeled with the date 4-11-12, when COC says 4-12-12.

From: Oshlo, Diane L
To: jchandler@empirlabs.com
Cc: Moss, Pamela J
Subject: RE: coc
Date: Friday, April 13, 2012 1:02:03 PM

Jennifer,

Sorry I missed that when I logged the sample in it should be 4/11/2012 on both the sample and the COC

Would you like me to correct and resubmit the COC?

Let me know. Also please update your records with my new cell number listed below

Thank you for your time,
Diane
Diane Oshlo
Field Manager
Shaw Field Office
Kirtland AFB
5202 Randolph Ave SE
Kirtland AFB, NM
87117
505-259-5669 (Cell)
diane.oshlo@ shawgrp.com

From: Jennifer Chandler [mailto:jchandler@empirlabs.com]
Sent: Friday, April 13, 2012 11:36 AM
To: Oshlo, Diane L
Cc: Moss, Pamela J
Subject: RE: coc
Importance: High

Thank you, Diane. I do have one question for you. Our Sample Receiving Department has just notified me that GWO527 has the date of 4-11-12 on the container label, but COC has it dated 4-12-12. Can you confirmed, either, as the appropriate date?

Jennifer Chandler
Project Manager
Empirical Laboratories, LLC
Main: 615.345.1115 ext. 233 I Toll free: 877.345.1113

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disclosure, copying, distribution and use are prohibited and may be unlawful. If you feel you have received this communication in error please notify us immediately by returning this email to the sender and deleting it out of your email.

From: Oshlo, Diane L [mailto:diane.oshlo@shawgrp.com]
Sent: Thursday, April 12, 2012 6:08 PM
To: jchandler@empirlabs.com
Subject: coc

Jennifer,

Please see attached

Thanks
Diane

Diane Oshlo
Field Manager
Shaw Field Office
Kirtland AFB
5202 Randolph Ave SE
Kirtland AFB, NM
87117
505-259-5669 (Cell)
diane.oshlo@ shawgrp.com

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http://www.shawgrp.com

WORK ORDER

Printed: 4/6/2012 1:39:31PM

1204038

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: 04/27/2012 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: 04/06/2012 08:20
Logged In By: Benjamin C. Wright
Date Logged In: 04/06/2012 09:33

Samples Received at: **0.8°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1204038-01 GW0500 [Water] Sampled 04/04/2012 13:04 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 14:04	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 14:04	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 14:04	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 14:04	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 14:04	
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 14:04	carb/bicarb
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 14:04	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 14:04	
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 14:04	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 14:04	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 14:04	
1204038-02 GW0500 [Water] Sampled 04/04/2012 13:04 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 14:04	Fe & Mn

1204038

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
1204038-03 GW0501 [Water] Sampled 04/04/2012 11:55 Mountain					
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 12:55	
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 12:55	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 12:55	
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 12:55	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 12:55	
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 12:55	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 12:55	
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 12:55	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 12:55	
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 12:55	naphthalene must be reported
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 12:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204038-04 GW0501 [Water] Sampled 04/04/2012 11:55 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 12:55	Fe & Mn
1204038-05 GW0502 [Water] Sampled 04/04/2012 12:18 Mountain					
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 13:18	
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 13:18	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 13:18	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 13:18	
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 13:18	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 13:18	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 13:18	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 13:18	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 13:18	
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 13:18	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 13:18	
1204038-06 GW0502 [Water] Sampled 04/04/2012 12:18 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 13:18	Fe & Mn

1204038

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
1204038-07 GW0503 [Water] Sampled 04/04/2012 09:45 Mountain					
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 10:45	
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 10:45	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 10:45	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 10:45	
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 10:45	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 10:45	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 10:45	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 10:45	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8270C	ZZ_SMS_PAH_8270C_3510_LOW	04/24/2012 14:00	15	04/11/2012 10:45	Must be non-detect!
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 10:45	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 10:45	
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 10:45	Cl, SO4
1204038-08 GW0503 [Water] Sampled 04/04/2012 09:45 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 10:45	Fe & Mn
1204038-09 GW0504 [Water] Sampled 04/04/2012 09:45 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 10:45	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 10:45	
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 10:45	
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 10:45	Cl, SO4
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 10:45	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 10:45	
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 10:45	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 10:45	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 10:45	
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 10:45	
SW8270C	ZZ_SMS_PAH_8270C_3510_LOW	04/24/2012 14:00	15	04/11/2012 10:45	Must be non-detect!
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 10:45	naphthalene must be reported
1204038-10 GW0504 [Water] Sampled 04/04/2012 09:45 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 10:45	Fe & Mn

1204038

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
1204038-11 GW0520 [Water] Sampled 04/04/2012 16:25 Mountain					
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 17:25	
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 17:25	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 17:25	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 17:25	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 17:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 17:25	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 17:25	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 17:25	
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 17:25	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 17:25	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 17:25	
1204038-12 GW0520 [Water] Sampled 04/04/2012 16:25 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 17:25	Fe & Mn
1204038-13 GW0521 [Water] Sampled 04/04/2012 13:32 Mountain					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 14:32	
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 14:32	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 14:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 14:32	carb/bicarb
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 14:32	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 14:32	
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 14:32	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 14:32	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 14:32	
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 14:32	
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 14:32	Cl, SO4
1204038-14 GW0521 [Water] Sampled 04/04/2012 13:32 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 14:32	Fe & Mn

1204038

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
1204038-15 GW0522 [Water] Sampled 04/04/2012 10:41 Mountain					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 11:41	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 11:41	
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 11:41	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 11:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 11:41	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 11:41	carb/bicarb
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 11:41	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 11:41	
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 11:41	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 11:41	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 11:41	
1204038-16 GW0522 [Water] Sampled 04/04/2012 10:41 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 11:41	Fe & Mn
1204038-17 GW0523 [Water] Sampled 04/04/2012 10:41 Mountain					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/24/2012 14:00	15	05/02/2012 11:41	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/24/2012 14:00	15	04/11/2012 11:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	04/24/2012 14:00	15	04/18/2012 11:41	carb/bicarb
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 11:41	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/24/2012 14:00	15	04/18/2012 11:41	
SW8011	SGC_EDB_8011	04/24/2012 14:00	15	04/18/2012 11:41	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	04/24/2012 14:00	15	04/11/2012 11:41	
E300.0	WC_ANIONS_300.0 (Regular)	04/24/2012 14:00	15	05/02/2012 11:41	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	04/24/2012 14:00	15	04/11/2012 11:41	
SW6010B	MET_ICP_6010B_FULL	04/24/2012 14:00	15	10/01/2012 11:41	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	04/24/2012 14:00	15	05/02/2012 11:41	
1204038-18 GW0523 [Water] Sampled 04/04/2012 10:41 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/24/2012 14:00	15	10/01/2012 11:41	Fe & Mn
1204038-19 GW8188-TB [Water] Sampled 04/04/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	04/24/2012 14:00	15	04/18/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 4/11/2012 3:55:05PM

1204054

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: 05/02/2012 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: Jack Deville
Date Received: 04/11/2012 08:30
Logged In By: Jack Deville
Date Logged In: 04/11/2012 10:33

Samples Received at: **2°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1204054-01 GWO529 [Water] Sampled 04/09/2012 11:29 Mountain					
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/07/2012 12:29	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/06/2012 12:29	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/16/2012 12:29	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/07/2012 12:29	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/07/2012 12:29	
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/23/2012 12:29	carb/bicarb
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/23/2012 12:29	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/23/2012 12:29	
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/23/2012 12:29	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/16/2012 12:29	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/16/2012 12:29	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204054-02 GWO529 [Water] Sampled 04/09/2012 11:29 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/06/2012 12:29	Fe & Mn

1204054

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
1204054-03 GWO544 [Water] Sampled 04/10/2012 13:31 Mountain					
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/24/2012 14:31	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/08/2012 14:31	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/17/2012 14:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/17/2012 14:31	
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/08/2012 14:31	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/08/2012 14:31	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/24/2012 14:31	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/24/2012 14:31	
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/17/2012 14:31	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/07/2012 14:31	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/24/2012 14:31	naphthalene must be reported
1204054-04 GWO544 [Water] Sampled 04/10/2012 13:31 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/07/2012 14:31	Fe & Mn
1204054-05 GWO545 [Water] Sampled 04/10/2012 13:31 Mountain					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/08/2012 14:31	
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/24/2012 14:31	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/17/2012 14:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/17/2012 14:31	
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/08/2012 14:31	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/08/2012 14:31	Cl, SO4
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/24/2012 14:31	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/07/2012 14:31	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/17/2012 14:31	
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/24/2012 14:31	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/24/2012 14:31	
1204054-06 GWO545 [Water] Sampled 04/10/2012 13:31 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/07/2012 14:31	Fe & Mn

1204054

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
1204054-07 GWO546 [Water] Sampled 04/10/2012 11:16 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/17/2012 12:16	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/17/2012 12:16	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/24/2012 12:16	carb/bicarb
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/24/2012 12:16	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/24/2012 12:16	
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/24/2012 12:16	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/17/2012 12:16	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/07/2012 12:16	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/08/2012 12:16	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/08/2012 12:16	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/08/2012 12:16	
1204054-08 GWO546 [Water] Sampled 04/10/2012 11:16 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/07/2012 12:16	Fe & Mn
1204054-09 GWO590 [Water] Sampled 04/09/2012 16:39 Mountain					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/07/2012 17:39	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/07/2012 17:39	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/16/2012 17:39	
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/07/2012 17:39	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/06/2012 17:39	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/16/2012 17:39	
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/23/2012 17:39	carb/bicarb
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/23/2012 17:39	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/23/2012 17:39	
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/23/2012 17:39	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/16/2012 17:39	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204054-10 GWO590 [Water] Sampled 04/09/2012 16:39 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/06/2012 17:39	Fe & Mn

1204054

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
1204054-11 GWO591 [Water] Sampled 04/09/2012 14:26 Mountain					
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/23/2012 15:26	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/07/2012 15:26	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/07/2012 15:26	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/23/2012 15:26	carb/bicarb
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/23/2012 15:26	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/07/2012 15:26	
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/16/2012 15:26	
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/23/2012 15:26	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/16/2012 15:26	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/16/2012 15:26	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/06/2012 15:26	Ca, Pb, K, Na, Mg
1204054-12 GWO591 [Water] Sampled 04/09/2012 14:26 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/06/2012 15:26	Fe & Mn
1204054-13 GWO592 [Water] Sampled 04/09/2012 11:55 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/16/2012 12:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/23/2012 12:55	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/23/2012 12:55	
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/23/2012 12:55	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/23/2012 12:55	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/16/2012 12:55	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/16/2012 12:55	
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/07/2012 12:55	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/07/2012 12:55	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/07/2012 12:55	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/06/2012 12:55	Ca, Pb, K, Na, Mg
1204054-14 GWO592 [Water] Sampled 04/09/2012 11:55 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/06/2012 12:55	Fe & Mn

1204054

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
1204054-15 GWO597 [Water] Sampled 04/10/2012 14:20 Mountain					
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/24/2012 15:20	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/08/2012 15:20	
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/24/2012 15:20	naphthalene must be reported
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/24/2012 15:20	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/24/2012 15:20	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/17/2012 15:20	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/17/2012 15:20	
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/08/2012 15:20	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/08/2012 15:20	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/17/2012 15:20	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/07/2012 15:20	Ca, Pb, K, Na, Mg
1204054-16 GWO597 [Water] Sampled 04/10/2012 14:20 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/07/2012 15:20	Fe & Mn
1204054-17 GWO598 [Water] Sampled 04/10/2012 12:04 Mountain					
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/24/2012 13:04	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/17/2012 13:04	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/24/2012 13:04	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/08/2012 13:04	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/17/2012 13:04	
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/24/2012 13:04	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/24/2012 13:04	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/08/2012 13:04	
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/08/2012 13:04	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/07/2012 13:04	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/17/2012 13:04	
1204054-18 GWO598 [Water] Sampled 04/10/2012 12:04 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/07/2012 13:04	Fe & Mn

1204054

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
1204054-19 GWO604 [Water] Sampled 04/09/2012 15:34 Mountain					
SW8011	SGC_EDB_8011	04/27/2012 14:00	15	04/23/2012 16:34	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	04/27/2012 14:00	15	05/07/2012 16:34	
E300.0	WC_ANIONS_300.0 (Regular)	04/27/2012 14:00	15	05/07/2012 16:34	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/27/2012 14:00	15	05/07/2012 16:34	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/27/2012 14:00	15	04/16/2012 16:34	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	04/27/2012 14:00	15	04/23/2012 16:34	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	04/27/2012 14:00	15	04/23/2012 16:34	
SW8015B DRO	SGC_DRO_8015B_3510	04/27/2012 14:00	15	04/16/2012 16:34	
SW6010B	MET_ICP_6010B_FULL	04/27/2012 14:00	15	10/06/2012 16:34	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	04/27/2012 14:00	15	04/16/2012 16:34	
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/23/2012 16:34	naphthalene must be reported
1204054-20 GWO604 [Water] Sampled 04/09/2012 15:34 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/27/2012 14:00	15	10/06/2012 16:34	Fe & Mn
1204054-21 GW8189-TB [Water] Sampled 04/09/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	04/27/2012 14:00	15	04/23/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 4/12/2012 1:03:31PM

1204063

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: 05/03/2012 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: Jack Deville — Date Received: 04/12/2012 08:20

Logged In By: Jack Deville — Date Logged In: 04/12/2012 10:24

Samples Received at: **0.3°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1204063-01 GW0505 [Water] Sampled 04/10/2012 16:17 Mountain					
E353.2	WC_NO3NO2_N_353.2	04/30/2012 14:00	15	05/08/2012 17:17	
SW6010B	MET_ICP_6010B_FULL	04/30/2012 14:00	15	10/07/2012 17:17	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	04/30/2012 14:00	15	04/17/2012 17:17	
E300.0	WC_ANIONS_300.0 (Regular)	04/30/2012 14:00	15	05/08/2012 17:17	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/30/2012 14:00	15	05/08/2012 17:17	
SM2320B	WC_ALKALINITY_2320B	04/30/2012 14:00	15	04/24/2012 17:17	carb/bicarb
SW8260B	VOC_8260B_REG	04/30/2012 14:00	15	04/24/2012 17:17	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/30/2012 14:00	15	04/24/2012 17:17	
SW8011	SGC_EDB_8011	04/30/2012 14:00	15	04/24/2012 17:17	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/30/2012 14:00	15	04/17/2012 17:17	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/30/2012 14:00	15	04/17/2012 17:17	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204063-02 GW0505 [Water] Sampled 04/10/2012 16:17 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/30/2012 14:00	15	10/07/2012 17:17	Fe & Mn

1204063

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
1204063-03 GW0506 [Water] Sampled 04/11/2012 10:19 Mountain					
SW8011	SGC_EDB_8011	04/30/2012 14:00	15	04/25/2012 11:19	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/30/2012 14:00	15	05/09/2012 11:19	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/30/2012 14:00	15	04/18/2012 11:19	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	04/30/2012 14:00	15	04/18/2012 11:19	
E353.2	WC_NO3NO2_N_353.2	04/30/2012 14:00	15	05/09/2012 11:19	
E300.0	WC_ANIONS_300.0 (Regular)	04/30/2012 14:00	15	05/09/2012 11:19	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	04/30/2012 14:00	15	04/25/2012 11:19	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	04/30/2012 14:00	15	04/25/2012 11:19	
SW8015B DRO	SGC_DRO_8015B_3510	04/30/2012 14:00	15	04/18/2012 11:19	
SW6010B	MET_ICP_6010B_FULL	04/30/2012 14:00	15	10/08/2012 11:19	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	04/30/2012 14:00	15	04/25/2012 11:19	naphthalene must be reported
1204063-04 GW0506 [Water] Sampled 04/11/2012 10:19 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/30/2012 14:00	15	10/08/2012 11:19	Fe & Mn
1204063-05 GW0510 [Water] Sampled 04/11/2012 12:36 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	04/30/2012 14:00	15	05/09/2012 13:36	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	04/30/2012 14:00	15	10/08/2012 13:36	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	04/30/2012 14:00	15	04/18/2012 13:36	
SW8011	SGC_EDB_8011	04/30/2012 14:00	15	04/25/2012 13:36	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	04/30/2012 14:00	15	04/25/2012 13:36	
SW8260B	VOC_8260B_REG	04/30/2012 14:00	15	04/25/2012 13:36	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	04/30/2012 14:00	15	05/09/2012 13:36	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/30/2012 14:00	15	04/18/2012 13:36	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/30/2012 14:00	15	04/18/2012 13:36	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	04/30/2012 14:00	15	04/25/2012 13:36	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/30/2012 14:00	15	05/09/2012 13:36	
1204063-06 GW0510 [Water] Sampled 04/11/2012 12:36 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/30/2012 14:00	15	10/08/2012 13:36	Fe & Mn

1204063

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
1204063-07 GW0596 [Water] Sampled 04/10/2012 16:46 Mountain					
SM2320B	WC_ALKALINITY_2320B	04/30/2012 14:00	15	04/24/2012 17:46	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	04/30/2012 14:00	15	05/08/2012 17:46	
E300.0	WC_ANIONS_300.0 (Regular)	04/30/2012 14:00	15	05/08/2012 17:46	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/30/2012 14:00	15	05/08/2012 17:46	
SM4500S2CF	WC_SULFIDE_4500S2CF	04/30/2012 14:00	15	04/17/2012 17:46	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/30/2012 14:00	15	04/17/2012 17:46	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	04/30/2012 14:00	15	04/24/2012 17:46	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/30/2012 14:00	15	04/24/2012 17:46	
SW8011	SGC_EDB_8011	04/30/2012 14:00	15	04/24/2012 17:46	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	04/30/2012 14:00	15	04/17/2012 17:46	
SW6010B	MET_ICP_6010B_FULL	04/30/2012 14:00	15	10/07/2012 17:46	Ca, Pb, K, Na, Mg
1204063-08 GW0596 [Water] Sampled 04/10/2012 16:46 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/30/2012 14:00	15	10/07/2012 17:46	Fe & Mn
1204063-09 GW0605 [Water] Sampled 04/11/2012 14:16 Mountain					
SW6010B	MET_ICP_6010B_FULL	04/30/2012 14:00	15	10/08/2012 15:16	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	04/30/2012 14:00	15	04/25/2012 15:16	carb/bicarb
SW8260B	VOC_8260B_REG	04/30/2012 14:00	15	04/25/2012 15:16	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	04/30/2012 14:00	15	04/25/2012 15:16	
SW8011	SGC_EDB_8011	04/30/2012 14:00	15	04/25/2012 15:16	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	04/30/2012 14:00	15	05/09/2012 15:16	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	04/30/2012 14:00	15	04/18/2012 15:16	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	04/30/2012 14:00	15	04/18/2012 15:16	
E353.2	WC_NO3NO2_N_353.2	04/30/2012 14:00	15	05/09/2012 15:16	
SW8015B DRO	SGC_DRO_8015B_3510	04/30/2012 14:00	15	04/18/2012 15:16	
E300.0	WC_ANIONS_300.0 (Regular)	04/30/2012 14:00	15	05/09/2012 15:16	Cl, SO4
1204063-10 GW0605 [Water] Sampled 04/11/2012 14:16 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	04/30/2012 14:00	15	10/08/2012 15:16	Fe & Mn
1204063-11 GW8190-TB [Water] Sampled 04/11/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	04/30/2012 14:00	15	04/25/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 4/13/2012 6:16:36PM

1204074

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: 05/04/2012 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: Jack Deville
Date Received: 04/13/2012 08:20
Logged In By: Jack Deville
Date Logged In: 04/13/2012 11:44

Samples Received at: **1.1°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1204074-01 GWO527 [Water] Sampled 04/11/2012 15:31 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/09/2012 16:31	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/08/2012 16:31	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/18/2012 16:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/09/2012 16:31	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/09/2012 16:31	
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/25/2012 16:31	carb/bicarb
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/25/2012 16:31	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/25/2012 16:31	
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/25/2012 16:31	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/18/2012 16:31	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/18/2012 16:31	
1204074-02 GWO527 [Water] Sampled 04/12/2012 15:31 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 16:31	Fe & Mn

1204074

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
1204074-03 GWO547 [Water] Sampled 04/12/2012 15:10 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/10/2012 16:10	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/26/2012 16:10	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/19/2012 16:10	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/10/2012 16:10	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/10/2012 16:10	
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/26/2012 16:10	
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/26/2012 16:10	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/19/2012 16:10	
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/09/2012 16:10	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 16:10	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/19/2012 16:10	
1204074-04 GWO547 [Water] Sampled 04/12/2012 15:10 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 16:10	Fe & Mn
1204074-05 GWO548 [Water] Sampled 04/12/2012 12:50 Mountain					
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/19/2012 13:50	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/19/2012 13:50	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/19/2012 13:50	
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/10/2012 13:50	
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/10/2012 13:50	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/10/2012 13:50	
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/26/2012 13:50	carb/bicarb
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 13:50	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/26/2012 13:50	
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/26/2012 13:50	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/09/2012 13:50	Ca, Pb, K, Na, Mg
1204074-06 GWO548 [Water] Sampled 04/12/2012 12:50 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 13:50	Fe & Mn

1204074

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
1204074-07 GWO549 [Water] Sampled 04/12/2012 10:30 Mountain					
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 11:30	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/26/2012 11:30	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/19/2012 11:30	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/26/2012 11:30	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/26/2012 11:30	
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/19/2012 11:30	
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/09/2012 11:30	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/10/2012 11:30	
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/10/2012 11:30	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/19/2012 11:30	
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/10/2012 11:30	
1204074-08 GWO549 [Water] Sampled 04/12/2012 10:30 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 11:30	Fe & Mn
1204074-09 GWO576 [Water] Sampled 04/12/2012 15:50 Mountain					
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/19/2012 16:50	
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/09/2012 16:50	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/19/2012 16:50	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/26/2012 16:50	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/10/2012 16:50	
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/10/2012 16:50	
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 16:50	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/10/2012 16:50	Cl, SO4
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/26/2012 16:50	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/19/2012 16:50	
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/26/2012 16:50	carb/bicarb
1204074-10 GWO576 [Water] Sampled 04/12/2012 15:50 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 16:50	Fe & Mn

1204074

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
1204074-11 GWO577 [Water] Sampled 04/12/2012 10:55 Mountain					
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/10/2012 11:55	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/19/2012 11:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/19/2012 11:55	
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/26/2012 11:55	
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/26/2012 11:55	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/09/2012 11:55	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/19/2012 11:55	
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/10/2012 11:55	Cl, SO4
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 11:55	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/26/2012 11:55	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/10/2012 11:55	
1204074-12 GWO577 [Water] Sampled 04/12/2012 10:55 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 11:55	Fe & Mn
1204074-13 GWO578 [Water] Sampled 04/12/2012 10:55 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/19/2012 11:55	
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/10/2012 11:55	
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/10/2012 11:55	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/10/2012 11:55	
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/19/2012 11:55	
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/26/2012 11:55	
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 11:55	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/26/2012 11:55	carb/bicarb
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/26/2012 11:55	Run dilutions based on 8260 results!
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/19/2012 11:55	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/09/2012 11:55	Ca, Pb, K, Na, Mg
1204074-14 GWO578 [Water] Sampled 04/12/2012 10:55 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 11:55	Fe & Mn

1204074

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
1204074-15 GWO579 [Water] Sampled 04/12/2012 13:39 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	05/01/2012 14:00	15	05/10/2012 14:39	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/01/2012 14:00	15	05/10/2012 14:39	
SM2320B	WC_ALKALINITY_2320B	05/01/2012 14:00	15	04/26/2012 14:39	carb/bicarb
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 14:39	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/01/2012 14:00	15	04/26/2012 14:39	
SW8011	SGC_EDB_8011	05/01/2012 14:00	15	04/26/2012 14:39	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	05/01/2012 14:00	15	05/10/2012 14:39	
SW8015B DRO	SGC_DRO_8015B_3510	05/01/2012 14:00	15	04/19/2012 14:39	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/01/2012 14:00	15	04/19/2012 14:39	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/01/2012 14:00	15	10/09/2012 14:39	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	05/01/2012 14:00	15	04/19/2012 14:39	
1204074-16 GWO579 [Water] Sampled 04/12/2012 13:39 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/01/2012 14:00	15	10/09/2012 14:39	Fe & Mn
1204074-17 GW8191-TB [Water] Sampled 04/12/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	05/01/2012 14:00	15	04/26/2012 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_049
MATRIX: Water

QC LEVEL: Level IV
Report Due: 4/27/2012 - 5/4/2012
Client Sample Count: 64

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF
Client Sample	4/4/2012	4/6/2012	1204038-01	GW0500	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-02	GW0500					
Client Sample	4/4/2012	4/6/2012	1204038-03	GW0501	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-04	GW0501					
Client Sample	4/4/2012	4/6/2012	1204038-05	GW0502	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-06	GW0502					
Client Sample	4/4/2012	4/6/2012	1204038-07	GW0503	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-08	GW0503					
Client Sample	4/4/2012	4/6/2012	1204038-09	GW0504	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-10	GW0504					
Client Sample	4/4/2012	4/6/2012	1204038-11	GW0520	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-12	GW0520					
Client Sample	4/4/2012	4/6/2012	1204038-13	GW0521	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-14	GW0521					
Client Sample	4/4/2012	4/6/2012	1204038-15	GW0522	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-16	GW0522					
Client Sample	4/4/2012	4/6/2012	1204038-17	GW0523	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-18	GW0523					
Trip Blank	4/4/2012	4/6/2012	1204038-19	GW8188-TB					
Client Sample	4/9/2012	4/11/2012	1204054-01	GWO529	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-02	GWO529					
Client Sample	4/10/2012	4/11/2012	1204054-03	GWO544	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-04	GWO544					
Client Sample	4/10/2012	4/11/2012	1204054-05	GWO545	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-06	GWO545					
Client Sample	4/10/2012	4/11/2012	1204054-07	GWO546	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-08	GWO546					
Client Sample	4/9/2012	4/11/2012	1204054-09	GWO590	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-10	GWO590					
Client Sample	4/9/2012	4/11/2012	1204054-11	GWO591	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-12	GWO591					
Client Sample	4/9/2012	4/11/2012	1204054-13	GWO592	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-14	GWO592					
Client Sample	4/10/2012	4/11/2012	1204054-15	GWO597	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-16	GWO597					
Client Sample	4/10/2012	4/11/2012	1204054-17	GWO598	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-18	GWO598					

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF
Client Sample	4/9/2012	4/11/2012	1204054-19	GWO604	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-20	GWO604					
Trip Blank	4/9/2012	4/11/2012	1204054-21	GW8189-TB					
Client Sample	4/10/2012	4/12/2012	1204063-01	GW0505	X	X	X	X	X
Client Sample	4/10/2012	4/12/2012	1204063-02	GW0505					
Client Sample	4/11/2012	4/12/2012	1204063-03	GW0506	X	X	X	X	X
Client Sample	4/11/2012	4/12/2012	1204063-04	GW0506					
Client Sample	4/11/2012	4/12/2012	1204063-05	GW0510	X	X	X	X	X
Client Sample	4/11/2012	4/12/2012	1204063-06	GW0510					
Client Sample	4/10/2012	4/12/2012	1204063-07	GW0596	X	X	X	X	X
Client Sample	4/10/2012	4/12/2012	1204063-08	GW0596					
Client Sample	4/11/2012	4/12/2012	1204063-09	GW0605	X	X	X	X	X
Client Sample	4/11/2012	4/12/2012	1204063-10	GW0605					
Trip Blank	4/11/2012	4/12/2012	1204063-11	GW8190-TB					
Client Sample	4/11/2012	4/13/2012	1204074-01	GWO527	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-02	GWO527					
Client Sample	4/12/2012	4/13/2012	1204074-03	GWO547	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-04	GWO547					
Client Sample	4/12/2012	4/13/2012	1204074-05	GWO548	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-06	GWO548					
Client Sample	4/12/2012	4/13/2012	1204074-07	GWO549	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-08	GWO549					
Client Sample	4/12/2012	4/13/2012	1204074-09	GWO576	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-10	GWO576					
Client Sample	4/12/2012	4/13/2012	1204074-11	GWO577	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-12	GWO577					
Client Sample	4/12/2012	4/13/2012	1204074-13	GWO578	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-14	GWO578					
Client Sample	4/12/2012	4/13/2012	1204074-15	GWO579	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-16	GWO579					
Trip Blank	4/12/2012	4/13/2012	1204074-17	GW8191-TB					

Sample Type	Sampled	Received	Lab ID	Client ID	SW6010B	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	4/4/2012	4/6/2012	1204038-01	GW0500	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-02	GW0500	X					
Client Sample	4/4/2012	4/6/2012	1204038-03	GW0501	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-04	GW0501	X					
Client Sample	4/4/2012	4/6/2012	1204038-05	GW0502	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-06	GW0502	X					
Client Sample	4/4/2012	4/6/2012	1204038-07	GW0503	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-08	GW0503	X					
Client Sample	4/4/2012	4/6/2012	1204038-09	GW0504	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-10	GW0504	X					
Client Sample	4/4/2012	4/6/2012	1204038-11	GW0520	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-12	GW0520	X					
Client Sample	4/4/2012	4/6/2012	1204038-13	GW0521	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-14	GW0521	X					
Client Sample	4/4/2012	4/6/2012	1204038-15	GW0522	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-16	GW0522	X					
Client Sample	4/4/2012	4/6/2012	1204038-17	GW0523	X	X	X	X	X	X
Client Sample	4/4/2012	4/6/2012	1204038-18	GW0523	X					
Trip Blank	4/4/2012	4/6/2012	1204038-19	GW8188-TB					X	
Client Sample	4/9/2012	4/11/2012	1204054-01	GWO529	X	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-02	GWO529	X					
Client Sample	4/10/2012	4/11/2012	1204054-03	GWO544	X	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-04	GWO544	X					
Client Sample	4/10/2012	4/11/2012	1204054-05	GWO545	X	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-06	GWO545	X					
Client Sample	4/10/2012	4/11/2012	1204054-07	GWO546	X	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-08	GWO546	X					
Client Sample	4/9/2012	4/11/2012	1204054-09	GWO590	X	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-10	GWO590	X					
Client Sample	4/9/2012	4/11/2012	1204054-11	GWO591	X	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-12	GWO591	X					
Client Sample	4/9/2012	4/11/2012	1204054-13	GWO592	X	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-14	GWO592	X					
Client Sample	4/10/2012	4/11/2012	1204054-15	GWO597	X	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-16	GWO597	X					
Client Sample	4/10/2012	4/11/2012	1204054-17	GWO598	X	X	X	X	X	X
Client Sample	4/10/2012	4/11/2012	1204054-18	GWO598	X					
Client Sample	4/9/2012	4/11/2012	1204054-19	GWO604	X	X	X	X	X	X
Client Sample	4/9/2012	4/11/2012	1204054-20	GWO604	X					
Trip Blank	4/9/2012	4/11/2012	1204054-21	GW8189-TB					X	
Client Sample	4/10/2012	4/12/2012	1204063-01	GW0505	X	X	X	X	X	X
Client Sample	4/10/2012	4/12/2012	1204063-02	GW0505	X					
Client Sample	4/11/2012	4/12/2012	1204063-03	GW0506	X	X	X	X	X	X
Client Sample	4/11/2012	4/12/2012	1204063-04	GW0506	X					
Client Sample	4/11/2012	4/12/2012	1204063-05	GW0510	X	X	X	X	X	X

Client Sample	4/11/2012	4/12/2012	1204063-06	GW0510	X					
Client Sample	4/10/2012	4/12/2012	1204063-07	GW0596	X	X	X	X	X	X
Client Sample	4/10/2012	4/12/2012	1204063-08	GW0596	X					

Sample Type	Sampled	Received	Lab ID	Client ID	SW6010B	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	4/11/2012	4/12/2012	1204063-09	GW0605	X	X	X	X	X	X
Client Sample	4/11/2012	4/12/2012	1204063-10	GW0605	X					
Trip Blank	4/11/2012	4/12/2012	1204063-11	GW8190-TB					X	
Client Sample	4/11/2012	4/13/2012	1204074-01	GWO527	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-02	GWO527	X					
Client Sample	4/12/2012	4/13/2012	1204074-03	GWO547	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-04	GWO547	X					
Client Sample	4/12/2012	4/13/2012	1204074-05	GWO548	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-06	GWO548	X					
Client Sample	4/12/2012	4/13/2012	1204074-07	GWO549	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-08	GWO549	X					
Client Sample	4/12/2012	4/13/2012	1204074-09	GWO576	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-10	GWO576	X					
Client Sample	4/12/2012	4/13/2012	1204074-11	GWO577	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-12	GWO577	X					
Client Sample	4/12/2012	4/13/2012	1204074-13	GWO578	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-14	GWO578	X					
Client Sample	4/12/2012	4/13/2012	1204074-15	GWO579	X	X	X	X	X	X
Client Sample	4/12/2012	4/13/2012	1204074-16	GWO579	X					
Trip Blank	4/12/2012	4/13/2012	1204074-17	GW8191-TB					X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01	File ID:	0403801.D
Sampled:	04/04/12 13:04	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 12:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01	File ID:	0403801.D
Sampled:	04/04/12 13:04	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 12:23
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.80	103	75 - 120	
Dibromofluoromethane	30.00	31.13	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.12	104	70 - 120	
Toluene-d8	30.00	30.29	101	85 - 120	

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03	File ID:	0403803.D
Sampled:	04/04/12 11:55	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 12:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03	File ID:	0403803.D
Sampled:	04/04/12 11:55	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 12:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.88	103	75 - 120	
Dibromofluoromethane	30.00	30.97	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.69	102	70 - 120	
Toluene-d8	30.00	30.78	103	85 - 120	

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05	File ID:	0403805.D
Sampled:	04/04/12 12:18	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 13:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05	File ID:	0403805.D
Sampled:	04/04/12 12:18	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 13:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.72	102	75 - 120	
Dibromofluoromethane	30.00	31.12	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.96	103	70 - 120	
Toluene-d8	30.00	30.76	103	85 - 120	

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	0403807.D
Sampled:	04/04/12 09:45	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 13:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	0403807.D
Sampled:	04/04/12 09:45	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 13:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.73	102	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.90	103	70 - 120	
Toluene-d8	30.00	30.33	101	85 - 120	

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	0403809.D
Sampled:	04/04/12 09:45	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 14:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	0403809.D
Sampled:	04/04/12 09:45	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 14:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.29	104	75 - 120	
Dibromofluoromethane	30.00	31.05	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.55	102	70 - 120	
Toluene-d8	30.00	31.19	104	85 - 120	

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11	File ID:	0403811.D
Sampled:	04/04/12 16:25	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 14:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	0.610	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	0.540	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)	1.43	0.250	0.500	1.00	
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	1.25	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11	File ID:	0403811.D
Sampled:	04/04/12 16:25	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 14:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 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	4.70	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.650	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	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	4.80	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.31	104	75 - 120	
Dibromofluoromethane	30.00	30.97	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.95	103	70 - 120	
Toluene-d8	30.00	30.92	103	85 - 120	

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13	File ID:	0403813.D
Sampled:	04/04/12 13:32	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 15:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5.43	2.50	5.00	10.0	J
71-43-2	Benzene	0.610	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	0.250	0.500	1.00	J
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	0.330	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	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.410	0.250	0.500	1.00	J
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene	0.270	0.250	0.500	1.00	J
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13	File ID:	0403813.D
Sampled:	04/04/12 13:32	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 15:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 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	2.91	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.790	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	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	0.440	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.51	102	75 - 120	
Dibromofluoromethane	30.00	30.73	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.79	99.3	70 - 120	
Toluene-d8	30.00	31.23	104	85 - 120	

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15	File ID:	0403815.D
Sampled:	04/04/12 10:41	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 15:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	0.300	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	0.930	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	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

GW0522

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15	File ID:	0403815.D
Sampled:	04/04/12 10:41	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 15:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 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	6.33	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.520	0.250	0.500	1.00	J
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	0.580	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	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	6.58	0.250	0.500	1.00	
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	30.70	102	75 - 120	
Dibromofluoromethane	30.00	30.87	103	85 - 115	
1,2-Dichloroethane-d4	30.00	29.89	99.6	70 - 120	
Toluene-d8	30.00	30.99	103	85 - 120	

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17	File ID:	0403817.D
Sampled:	04/04/12 10:41	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 15:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	0.290	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	0.890	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	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

GW0523

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17	File ID:	0403817.D
Sampled:	04/04/12 10:41	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 15:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 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	6.15	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.500	0.250	0.500	1.00	J
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	0.570	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	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	6.37	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.15	104	75 - 120	
Dibromofluoromethane	30.00	30.92	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.89	103	70 - 120	
Toluene-d8	30.00	30.82	103	85 - 120	

ANALYSIS DATA SHEET

GW8188-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-19	File ID:	0403819.D
Sampled:	04/04/12 08:00	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 11:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8188-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-19	File ID:	0403819.D
Sampled:	04/04/12 08:00	Prepared:	04/12/12 00:00	Analyzed:	04/12/12 11:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.13	104	75 - 120	
Dibromofluoromethane	30.00	30.94	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.68	102	70 - 120	
Toluene-d8	30.00	30.80	103	85 - 120	

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01	File ID:	0405401.D
Sampled:	04/09/12 11:29	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 13:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	5.91	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	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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

GW0529

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01	File ID:	0405401.D
Sampled:	04/09/12 11:29	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 13:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 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	0.490	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.05	104	75 - 120	
Dibromofluoromethane	30.00	31.31	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.49	102	70 - 120	
Toluene-d8	30.00	30.62	102	85 - 120	

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03	File ID:	0405403.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 13:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.74	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	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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)	0.530	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03	File ID:	0405403.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 13:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 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	1.03	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.24	104	75 - 120	
Dibromofluoromethane	30.00	31.35	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.74	102	70 - 120	
Toluene-d8	30.00	30.85	103	85 - 120	

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05	File ID:	0405405.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 13:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.13	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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)	0.540	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.600	0.250	0.500	1.00	J
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05	File ID:	0405405.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 13:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.14	104	75 - 120	
Dibromofluoromethane	30.00	31.31	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.59	102	70 - 120	
Toluene-d8	30.00	30.58	102	85 - 120	

ANALYSIS DATA SHEET

GW0546

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07	File ID:	0405407.D
Sampled:	04/10/12 11:16	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 14:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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	0.320	0.250	0.500	1.00	J
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	0.280	0.250	0.500	1.00	J
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

GW0546

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07	File ID:	0405407.D
Sampled:	04/10/12 11:16	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 14:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.42	101	75 - 120	
Dibromofluoromethane	30.00	31.24	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.55	102	70 - 120	
Toluene-d8	30.00	30.09	100	85 - 120	

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09	File ID:	0405409.D
Sampled:	04/09/12 16:39	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 14:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	13.2	2.50	5.00	10.0	
71-43-2	Benzene	1.93	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane	1.01	0.250	0.500	1.00	
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	1.14	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.550	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	2.25	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	1.87	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09	File ID:	0405409.D
Sampled:	04/09/12 16:39	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 14:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 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	14.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	0.860	0.250	0.500	1.00	J
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	1.09	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	3.75	0.250	0.500	1.00	
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	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	12.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	39.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	99.0	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.19	101	75 - 120	
Dibromofluoromethane	30.00	31.00	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.26	101	70 - 120	
Toluene-d8	30.00	31.21	104	85 - 120	

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11	File ID:	0405411.D
Sampled:	04/09/12 14:26	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 15:15
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	17.3	2.50	5.00	10.0	
71-43-2	Benzene	3.06	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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	2.81	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	5.38	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11	File ID:	0405411.D
Sampled:	04/09/12 14:26	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 15:15
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 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	34.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	1.80	0.250	0.500	1.00	
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene	2.16	0.250	0.500	1.00	
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	19.0	0.250	0.500	1.00	
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	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	25.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	58.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	143	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.71	102	75 - 120	
Dibromofluoromethane	30.00	30.66	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.63	98.8	70 - 120	
Toluene-d8	30.00	31.96	107	85 - 120	

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13	File ID:	0405413.D
Sampled:	04/09/12 11:55	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 15:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

GW0592

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13	File ID:	0405413.D
Sampled:	04/09/12 11:55	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 15:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	0.290	0.250	0.500	1.00	J
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	30.75	102	75 - 120	
Dibromofluoromethane	30.00	30.71	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.75	99.2	70 - 120	
Toluene-d8	30.00	30.74	102	85 - 120	

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15	File ID:	0405415.D
Sampled:	04/10/12 14:20	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 16:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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)	0.380	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15	File ID:	0405415.D
Sampled:	04/10/12 14:20	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 16:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.69	102	75 - 120	
Dibromofluoromethane	30.00	30.92	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.65	102	70 - 120	
Toluene-d8	30.00	30.47	102	85 - 120	

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17	File ID:	0405417.D
Sampled:	04/10/12 12:04	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 16:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

GW0598

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17	File ID:	0405417.D
Sampled:	04/10/12 12:04	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 16:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.74	102	75 - 120	
Dibromofluoromethane	30.00	31.13	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.57	102	70 - 120	
Toluene-d8	30.00	30.81	103	85 - 120	

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19	File ID:	0405419.D
Sampled:	04/09/12 15:34	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 17:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.01	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	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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

GW0604

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19	File ID:	0405419.D
Sampled:	04/09/12 15:34	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 17:02
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 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	0.390	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.05	104	75 - 120	
Dibromofluoromethane	30.00	30.82	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.51	102	70 - 120	
Toluene-d8	30.00	30.48	102	85 - 120	

ANALYSIS DATA SHEET

GW8189-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-21	File ID:	0405421.D
Sampled:	04/09/12 08:00	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 10:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

GW8189-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-21	File ID:	0405421.D
Sampled:	04/09/12 08:00	Prepared:	04/13/12 00:00	Analyzed:	04/13/12 10:21
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.67	102	75 - 120	
Dibromofluoromethane	30.00	31.26	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.84	103	70 - 120	
Toluene-d8	30.00	30.41	101	85 - 120	

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01	File ID:	0406301.D
Sampled:	04/10/12 16:17	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 10:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01	File ID:	0406301.D
Sampled:	04/10/12 16:17	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 10:24
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.24	104	75 - 120	
Dibromofluoromethane	30.00	31.90	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.77	103	70 - 120	
Toluene-d8	30.00	30.21	101	85 - 120	

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03	File ID:	0406303.D
Sampled:	04/11/12 10:19	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 10:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	26.9	0.250	0.500	1.00	
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	1.00	0.250	0.500	1.00	
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		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	1.07	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03	File ID:	0406303.D
Sampled:	04/11/12 10:19	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 10:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene	0.550	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	9.09	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	0.320	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene	0.390	0.250	0.500	1.00	J
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)	5.10	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.49	105	75 - 120	
Dibromofluoromethane	30.00	31.76	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.46	102	70 - 120	
Toluene-d8	30.00	30.17	101	85 - 120	

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05	File ID:	0406305.D
Sampled:	04/11/12 12:36	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 11:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	1.52	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane	0.310	0.250	0.500	1.00	J
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05	File ID:	0406305.D
Sampled:	04/11/12 12:36	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 11:17
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.410	0.250	0.500	1.00	J
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	0.440	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.89	106	75 - 120	
Dibromofluoromethane	30.00	31.90	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.90	103	70 - 120	
Toluene-d8	30.00	30.52	102	85 - 120	

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07	File ID:	0406307.D
Sampled:	04/10/12 16:46	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 11:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.64	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	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.340	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07	File ID:	0406307.D
Sampled:	04/10/12 16:46	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 11:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene	0.420	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	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	31.52	105	75 - 120	
Dibromofluoromethane	30.00	31.79	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.88	103	70 - 120	
Toluene-d8	30.00	30.08	100	85 - 120	

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09	File ID:	0406309.D
Sampled:	04/11/12 14:16	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 12:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.45	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	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09	File ID:	0406309.D
Sampled:	04/11/12 14:16	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 12:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	0.590	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.07	104	75 - 120	
Dibromofluoromethane	30.00	31.87	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.52	102	70 - 120	
Toluene-d8	30.00	30.31	101	85 - 120	

ANALYSIS DATA SHEET

GW8190-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-11	File ID:	0406311.D
Sampled:	04/11/12 08:00	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 09:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8190-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-11	File ID:	0406311.D
Sampled:	04/11/12 08:00	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 09:30
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.44	105	75 - 120	
Dibromofluoromethane	30.00	32.09	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.60	102	70 - 120	
Toluene-d8	30.00	30.73	102	85 - 120	

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01	File ID:	0407401.D
Sampled:	04/11/12 15:31	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 12:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01	File ID:	0407401.D
Sampled:	04/11/12 15:31	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 12:38
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.46	105	75 - 120	
Dibromofluoromethane	30.00	32.00	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.50	102	70 - 120	
Toluene-d8	30.00	30.39	101	85 - 120	

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03	File ID:	0407403.D
Sampled:	04/12/12 15:10	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 13:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	0.960	0.500	1.00	2.00	J
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03	File ID:	0407403.D
Sampled:	04/12/12 15:10	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 13:04
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.51	105	75 - 120	
Dibromofluoromethane	30.00	32.42	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.33	101	70 - 120	
Toluene-d8	30.00	30.54	102	85 - 120	

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05	File ID:	0407405.D
Sampled:	04/12/12 12:50	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 13:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05	File ID:	0407405.D
Sampled:	04/12/12 12:50	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 13:31
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.99	103	75 - 120	
Dibromofluoromethane	30.00	32.21	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.81	103	70 - 120	
Toluene-d8	30.00	30.09	100	85 - 120	

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07	File ID:	0407407.D
Sampled:	04/12/12 10:30	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 13:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07	File ID:	0407407.D
Sampled:	04/12/12 10:30	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 13:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.40	105	75 - 120	
Dibromofluoromethane	30.00	31.74	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.18	104	70 - 120	
Toluene-d8	30.00	30.39	101	85 - 120	

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09	File ID:	0407409.D
Sampled:	04/12/12 15:50	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 14:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	10.7	2.50	5.00	10.0	
71-43-2	Benzene	0.330	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	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.56	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09	File ID:	0407409.D
Sampled:	04/12/12 15:50	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 14:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene	2.11	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	0.370	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	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	0.890	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.41	105	75 - 120	
Dibromofluoromethane	30.00	32.26	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.69	102	70 - 120	
Toluene-d8	30.00	30.89	103	85 - 120	

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11	File ID:	0407411.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11	File ID:	0407411.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 14:51
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.52	105	75 - 120	
Dibromofluoromethane	30.00	32.24	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.30	104	70 - 120	
Toluene-d8	30.00	29.86	99.5	85 - 120	

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13	File ID:	0407413.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 15:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13	File ID:	0407413.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 15:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.33	104	75 - 120	
Dibromofluoromethane	30.00	32.20	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.95	103	70 - 120	
Toluene-d8	30.00	30.47	102	85 - 120	

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15	File ID:	0407415.D
Sampled:	04/12/12 13:39	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 15:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	6.58	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	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.09	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15	File ID:	0407415.D
Sampled:	04/12/12 13:39	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 15:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.47	105	75 - 120	
Dibromofluoromethane	30.00	32.06	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.61	102	70 - 120	
Toluene-d8	30.00	30.64	102	85 - 120	

ANALYSIS DATA SHEET

GW8191-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-17	File ID:	0407417.D
Sampled:	04/12/12 08:00	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 09:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8191-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-17	File ID:	0407417.D
Sampled:	04/12/12 08:00	Prepared:	04/16/12 00:00	Analyzed:	04/16/12 09:57
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	32.23	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.39	105	70 - 120	
Toluene-d8	30.00	30.35	101	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10406	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10406-CCV1) ug/L				Lab File ID: 0412CCV1.D		Analyzed: 04/12/12 07:29		
Bromofluorobenzene	30.00	107	80 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	80 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	106	80 - 120	9.63	9.63	0.0000	+/-1.000	
LCS (2D12001-BS1) ug/L				Lab File ID: 0412LCS1.D		Analyzed: 04/12/12 07:56		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.63	9.63	0.0000	+/-1.000	
Blank (2D12001-BLK1) ug/L				Lab File ID: 0412BL1.D		Analyzed: 04/12/12 09:43		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.63	9.63	0.0000	+/-1.000	
GW8188-TB (1204038-19) ug/L				Lab File ID: 0403819.D		Analyzed: 04/12/12 11:03		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0500 (1204038-01) ug/L				Lab File ID: 0403801.D		Analyzed: 04/12/12 12:23		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0501 (1204038-03) ug/L				Lab File ID: 0403803.D		Analyzed: 04/12/12 12:50		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0502 (1204038-05) ug/L				Lab File ID: 0403805.D		Analyzed: 04/12/12 13:16		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.63	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10406	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0503 (1204038-07) ug/L				Lab File ID: 0403807.D		Analyzed: 04/12/12 13:43		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0504 (1204038-09) ug/L				Lab File ID: 0403809.D		Analyzed: 04/12/12 14:10		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	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	
GW0520 (1204038-11) ug/L				Lab File ID: 0403811.D		Analyzed: 04/12/12 14:36		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0521 (1204038-13) ug/L				Lab File ID: 0403813.D		Analyzed: 04/12/12 15:03		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0522 (1204038-15) ug/L				Lab File ID: 0403815.D		Analyzed: 04/12/12 15:30		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.95	6.93	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.6	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.63	0.0100	+/-1.000	
GW0523 (1204038-17) ug/L				Lab File ID: 0403817.D		Analyzed: 04/12/12 15:57		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.63	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10704	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10704-CCV1) ug/L				Lab File ID: 0413CCV1.D		Analyzed: 04/13/12 07:13		
Bromofluorobenzene	30.00	106	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	80 - 120	6.94	6.94	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	9.64	9.64	0.0000	+/-1.000	
LCS (2D13002-BS1) ug/L				Lab File ID: 0413LCS1.D		Analyzed: 04/13/12 07:40		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
Blank (2D13002-BLK1) ug/L				Lab File ID: 0413BL1.D		Analyzed: 04/13/12 09:00		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8189-TB (1204054-21) ug/L				Lab File ID: 0405421.D		Analyzed: 04/13/12 10:21		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0529 (1204054-01) ug/L				Lab File ID: 0405401.D		Analyzed: 04/13/12 13:01		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0544 (1204054-03) ug/L				Lab File ID: 0405403.D		Analyzed: 04/13/12 13:28		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0545 (1204054-05) ug/L				Lab File ID: 0405405.D		Analyzed: 04/13/12 13:55		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.64	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10704	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0546 (1204054-07) ug/L				Lab File ID: 0405407.D		Analyzed: 04/13/12 14:21		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.94	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0590 (1204054-09) ug/L				Lab File ID: 0405409.D		Analyzed: 04/13/12 14:48		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0591 (1204054-11) ug/L				Lab File ID: 0405411.D		Analyzed: 04/13/12 15:15		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.96	6.94	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.8	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0592 (1204054-13) ug/L				Lab File ID: 0405413.D		Analyzed: 04/13/12 15:42		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.2	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0597 (1204054-15) ug/L				Lab File ID: 0405415.D		Analyzed: 04/13/12 16:08		
Bromofluorobenzene	30.00	102	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.96	6.94	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0598 (1204054-17) ug/L				Lab File ID: 0405417.D		Analyzed: 04/13/12 16:35		
Bromofluorobenzene	30.00	102	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.96	6.94	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.65	9.64	0.0100	+/-1.000	
GW0604 (1204054-19) ug/L				Lab File ID: 0405419.D		Analyzed: 04/13/12 17:02		
Bromofluorobenzene	30.00	104	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.96	6.94	0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.64	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10704	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (2D13002-BSD1) ug/L				Lab File ID: 0413LCD1.D		Analyzed: 04/13/12 18:22		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.95	6.94	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.43	0.0200	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.64	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10810	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10810-CCV1) ug/L				Lab File ID: 0416CCV1.D		Analyzed: 04/16/12 07:08		
Bromofluorobenzene	30.00	108	80 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	80 - 120	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	80 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	106	80 - 120	9.66	9.66	0.0000	+/-1.000	
LCS (2D16005-BS1) ug/L				Lab File ID: 0416LCS1.D		Analyzed: 04/16/12 07:43		
Bromofluorobenzene	30.00	107	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.65	9.66	-0.0100	+/-1.000	
Blank (2D16005-BLK1) ug/L				Lab File ID: 0416BL1.D		Analyzed: 04/16/12 09:03		
Bromofluorobenzene	30.00	104	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW8190-TB (1204063-11) ug/L				Lab File ID: 0406311.D		Analyzed: 04/16/12 09:30		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW8191-TB (1204074-17) ug/L				Lab File ID: 0407417.D		Analyzed: 04/16/12 09:57		
Bromofluorobenzene	30.00	103	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0505 (1204063-01) ug/L				Lab File ID: 0406301.D		Analyzed: 04/16/12 10:24		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0506 (1204063-03) ug/L				Lab File ID: 0406303.D		Analyzed: 04/16/12 10:50		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.66	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10810	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0510 (1204063-05) ug/L				Lab File ID: 0406305.D		Analyzed: 04/16/12 11:17		
Bromofluorobenzene	30.00	106	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0596 (1204063-07) ug/L				Lab File ID: 0406307.D		Analyzed: 04/16/12 11:44		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0605 (1204063-09) ug/L				Lab File ID: 0406309.D		Analyzed: 04/16/12 12:11		
Bromofluorobenzene	30.00	104	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0527 (1204074-01) ug/L				Lab File ID: 0407401.D		Analyzed: 04/16/12 12:38		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0547 (1204074-03) ug/L				Lab File ID: 0407403.D		Analyzed: 04/16/12 13:04		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0548 (1204074-05) ug/L				Lab File ID: 0407405.D		Analyzed: 04/16/12 13:31		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.64	9.66	-0.0200	+/-1.000	
GW0549 (1204074-07) ug/L				Lab File ID: 0407407.D		Analyzed: 04/16/12 13:58		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.96	6.96	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.64	9.66	-0.0200	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10810	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0576 (1204074-09) ug/L				Lab File ID: 0407409.D		Analyzed: 04/16/12 14:25		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.65	9.66	-0.0100	+/-1.000	
GW0577 (1204074-11) ug/L				Lab File ID: 0407411.D		Analyzed: 04/16/12 14:51		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	99.5	85 - 120	9.64	9.66	-0.0200	+/-1.000	
GW0578 (1204074-13) ug/L				Lab File ID: 0407413.D		Analyzed: 04/16/12 15:18		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.95	6.96	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.44	7.45	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.66	-0.0200	+/-1.000	
GW0579 (1204074-15) ug/L				Lab File ID: 0407415.D		Analyzed: 04/16/12 15:45		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	6.94	6.96	-0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.45	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.66	-0.0200	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D12001	Laboratory ID:	2D12001-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	95.9	95.9	40 - 140
Benzene	50.00	50.8	102	80 - 120
Bromobenzene	50.00	50.7	101	75 - 125
Bromochloromethane	50.00	50.8	102	65 - 130
Bromodichloromethane	50.00	49.8	99.7	75 - 120
Bromoform	50.00	50.5	101	70 - 130
Bromomethane	50.00	56.2	112	30 - 145
n-Butylbenzene	50.00	58.4	117	70 - 135
2-Butanone	100.0	106	106	30 - 150
sec-Butylbenzene	50.00	52.7	105	70 - 125
tert-Butylbenzene	50.00	52.1	104	70 - 130
Carbon disulfide	50.00	43.4	86.8	35 - 160
Carbon tetrachloride	50.00	50.2	100	65 - 140
Chlorobenzene	50.00	49.3	98.6	80 - 120
Chloroethane	50.00	55.1	110	60 - 135
Chloroform	50.00	49.0	98.1	65 - 135
Chloromethane	50.00	50.8	102	40 - 125
2-Chlorotoluene	50.00	50.4	101	75 - 125
4-Chlorotoluene	50.00	50.1	100	75 - 130
Dibromochloromethane	50.00	49.5	99.0	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.3	94.6	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.3	101	80 - 120
Dibromomethane	50.00	49.0	98.0	75 - 125
1,2-Dichlorobenzene	50.00	49.8	99.7	70 - 120
1,3-Dichlorobenzene	50.00	50.2	100	75 - 125
1,4-Dichlorobenzene	50.00	50.3	101	75 - 125
Dichlorodifluoromethane	50.00	49.2	98.4	30 - 155
1,1-Dichloroethane	50.00	51.4	103	70 - 135
1,2-Dichloroethane	50.00	49.2	98.4	70 - 130
1,1-Dichloroethene	50.00	47.1	94.2	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D12001	Laboratory ID:	2D12001-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	50.5	101	70 - 125
trans-1,2-Dichloroethene	50.00	51.3	103	60 - 140
1,2-Dichloropropane	50.00	51.7	103	75 - 125
1,3-Dichloropropane	50.00	50.5	101	75 - 125
2,2-Dichloropropane	50.00	54.8	110	70 - 135
1,1-Dichloropropene	50.00	50.7	101	75 - 130
cis-1,3-Dichloropropene	50.00	54.8	110	70 - 130
trans-1,3-Dichloropropene	50.00	48.1	96.1	55 - 140
Ethylbenzene	50.00	51.1	102	75 - 125
Hexachlorobutadiene	50.00	52.5	105	50 - 140
2-Hexanone	100.0	110	110	55 - 130
Isopropylbenzene	50.00	48.2	96.4	75 - 125
p-Isopropyltoluene	50.00	51.4	103	75 - 130
Methylene chloride	50.00	45.7	91.4	55 - 140
Naphthalene	50.00	47.7	95.4	55 - 140
4-Methyl-2-pentanone	100.0	116	116	60 - 135
Methyl t-Butyl Ether	50.00	51.5	103	65 - 125
n-Propylbenzene	50.00	51.4	103	70 - 130
Styrene	50.00	51.6	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.4	98.9	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.8	99.5	80 - 130
Tetrachloroethene	50.00	51.1	102	45 - 150
Toluene	50.00	50.4	101	75 - 120
1,2,3-Trichlorobenzene	50.00	49.8	99.5	55 - 140
1,2,4-Trichlorobenzene	50.00	50.6	101	65 - 135
1,1,2-Trichloroethane	50.00	51.1	102	75 - 125
1,1,1-Trichloroethane	50.00	52.9	106	65 - 130
Trichloroethene	50.00	51.0	102	70 - 125
Trichlorofluoromethane	50.00	52.3	105	60 - 145
1,2,3-Trichloropropane	50.00	48.8	97.7	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D12001	Laboratory ID:	2D12001-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	53.7	107	75 - 130
Vinyl chloride	50.00	60.2	120	50 - 145
Xylenes (total)	150.0	152	101	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13002	Laboratory ID:	2D13002-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	106	106	40 - 140
Benzene	50.00	49.8	99.5	80 - 120
Bromobenzene	50.00	49.3	98.6	75 - 125
Bromochloromethane	50.00	50.4	101	65 - 130
Bromodichloromethane	50.00	49.6	99.2	75 - 120
Bromoform	50.00	49.8	99.6	70 - 130
Bromomethane	50.00	39.8	79.6	30 - 145
n-Butylbenzene	50.00	58.8	118	70 - 135
2-Butanone	100.0	116	116	30 - 150
sec-Butylbenzene	50.00	51.9	104	70 - 125
tert-Butylbenzene	50.00	51.4	103	70 - 130
Carbon disulfide	50.00	41.7	83.4	35 - 160
Carbon tetrachloride	50.00	49.8	99.6	65 - 140
Chlorobenzene	50.00	47.0	93.9	80 - 120
Chloroethane	50.00	52.8	106	60 - 135
Chloroform	50.00	48.8	97.7	65 - 135
Chloromethane	50.00	42.8	85.7	40 - 125
2-Chlorotoluene	50.00	49.2	98.5	75 - 125
4-Chlorotoluene	50.00	48.7	97.4	75 - 130
Dibromochloromethane	50.00	48.2	96.5	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.8	95.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.6	99.2	80 - 120
Dibromomethane	50.00	48.8	97.6	75 - 125
1,2-Dichlorobenzene	50.00	48.8	97.6	70 - 120
1,3-Dichlorobenzene	50.00	48.8	97.7	75 - 125
1,4-Dichlorobenzene	50.00	48.8	97.7	75 - 125
Dichlorodifluoromethane	50.00	49.2	98.4	30 - 155
1,1-Dichloroethane	50.00	50.6	101	70 - 135
1,2-Dichloroethane	50.00	50.1	100	70 - 130
1,1-Dichloroethene	50.00	46.2	92.4	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13002	Laboratory ID:	2D13002-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	49.9	99.9	70 - 125
trans-1,2-Dichloroethene	50.00	50.6	101	60 - 140
1,2-Dichloropropane	50.00	50.1	100	75 - 125
1,3-Dichloropropane	50.00	49.8	99.7	75 - 125
2,2-Dichloropropane	50.00	54.1	108	70 - 135
1,1-Dichloropropene	50.00	50.5	101	75 - 130
cis-1,3-Dichloropropene	50.00	53.3	107	70 - 130
trans-1,3-Dichloropropene	50.00	47.4	94.7	55 - 140
Ethylbenzene	50.00	49.2	98.4	75 - 125
Hexachlorobutadiene	50.00	49.0	98.0	50 - 140
2-Hexanone	100.0	120	120	55 - 130
Isopropylbenzene	50.00	46.5	93.0	75 - 125
p-Isopropyltoluene	50.00	50.2	100	75 - 130
Methylene chloride	50.00	43.9	87.8	55 - 140
Naphthalene	50.00	55.4	111	55 - 140
4-Methyl-2-pentanone	100.0	125	125	60 - 135
Methyl t-Butyl Ether	50.00	52.2	104	65 - 125
n-Propylbenzene	50.00	50.4	101	70 - 130
Styrene	50.00	49.6	99.2	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.4	101	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.0	96.1	80 - 130
Tetrachloroethene	50.00	48.8	97.7	45 - 150
Toluene	50.00	49.1	98.3	75 - 120
1,2,3-Trichlorobenzene	50.00	51.4	103	55 - 140
1,2,4-Trichlorobenzene	50.00	51.9	104	65 - 135
1,1,2-Trichloroethane	50.00	50.2	100	75 - 125
1,1,1-Trichloroethane	50.00	53.2	106	65 - 130
Trichloroethene	50.00	50.3	101	70 - 125
Trichlorofluoromethane	50.00	52.7	105	60 - 145
1,2,3-Trichloropropane	50.00	49.7	99.5	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13002	Laboratory ID:	2D13002-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.0	106	75 - 130
1,2,4-Trimethylbenzene	50.00	54.3	109	75 - 130
Vinyl chloride	50.00	58.3	117	50 - 145
Xylenes (total)	150.0	148	98.4	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	102	102	3.89	30	40 - 140
Benzene	50.00	52.4	105	5.19	30	80 - 120
Bromobenzene	50.00	52.0	104	5.37	30	75 - 125
Bromochloromethane	50.00	52.7	105	4.50	30	65 - 130
Bromodichloromethane	50.00	50.8	102	2.43	30	75 - 120
Bromoform	50.00	47.3	94.6	5.11	30	70 - 130
Bromomethane	50.00	29.7	59.5	28.9	30	30 - 145
n-Butylbenzene	50.00	58.2	116	0.906	30	70 - 135
2-Butanone	100.0	110	110	5.08	30	30 - 150
sec-Butylbenzene	50.00	52.1	104	0.442	30	70 - 125
tert-Butylbenzene	50.00	52.0	104	1.10	30	70 - 130
Carbon disulfide	50.00	42.8	85.6	2.65	30	35 - 160
Carbon tetrachloride	50.00	49.3	98.6	1.03	30	65 - 140
Chlorobenzene	50.00	48.8	97.6	3.82	30	80 - 120
Chloroethane	50.00	55.7	111	5.31	30	60 - 135
Chloroform	50.00	51.6	103	5.42	30	65 - 135
Chloromethane	50.00	42.9	85.7	0.0233	30	40 - 125
2-Chlorotoluene	50.00	50.0	100	1.59	30	75 - 125
4-Chlorotoluene	50.00	50.7	101	3.96	30	75 - 130
Dibromochloromethane	50.00	47.7	95.4	1.10	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.4	92.7	3.14	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.8	104	4.34	30	80 - 120
Dibromomethane	50.00	52.0	104	6.47	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13002	Laboratory ID:	2D13002-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	50.2	100	2.97	30	70 - 120
1,3-Dichlorobenzene	50.00	49.6	99.1	1.42	30	75 - 125
1,4-Dichlorobenzene	50.00	50.2	100	2.75	30	75 - 125
Dichlorodifluoromethane	50.00	51.0	102	3.51	30	30 - 155
1,1-Dichloroethane	50.00	52.6	105	3.88	30	70 - 135
1,2-Dichloroethane	50.00	53.9	108	7.17	30	70 - 130
1,1-Dichloroethene	50.00	48.0	95.9	3.74	30	70 - 130
cis-1,2-Dichloroethene	50.00	52.7	105	5.44	30	70 - 125
trans-1,2-Dichloroethene	50.00	52.6	105	3.88	30	60 - 140
1,2-Dichloropropane	50.00	52.1	104	3.89	30	75 - 125
1,3-Dichloropropane	50.00	51.7	103	3.62	30	75 - 125
2,2-Dichloropropane	50.00	50.5	101	6.90	30	70 - 135
1,1-Dichloropropene	50.00	52.6	105	4.04	30	75 - 130
cis-1,3-Dichloropropene	50.00	54.0	108	1.34	30	70 - 130
trans-1,3-Dichloropropene	50.00	47.1	94.1	0.614	30	55 - 140
Ethylbenzene	50.00	51.3	103	4.22	30	75 - 125
Hexachlorobutadiene	50.00	42.4	84.8	14.4	30	50 - 140
2-Hexanone	100.0	114	114	5.19	30	55 - 130
Isopropylbenzene	50.00	48.6	97.3	4.56	30	75 - 125
p-Isopropyltoluene	50.00	50.3	101	0.159	30	75 - 130
Methylene chloride	50.00	46.4	92.9	5.60	30	55 - 140
Naphthalene	50.00	50.4	101	9.39	30	55 - 140
4-Methyl-2-pentanone	100.0	120	120	4.21	30	60 - 135
Methyl t-Butyl Ether	50.00	53.5	107	2.46	30	65 - 125
n-Propylbenzene	50.00	51.2	102	1.69	30	70 - 130
Styrene	50.00	51.9	104	4.49	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.8	104	2.70	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.7	97.3	1.30	30	80 - 130
Tetrachloroethene	50.00	50.4	101	3.12	30	45 - 150
Toluene	50.00	51.1	102	4.01	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13002	Laboratory ID:	2D13002-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	47.0	94.0	9.00	30	55 - 140
1,2,4-Trichlorobenzene	50.00	48.7	97.4	6.34	30	65 - 135
1,1,2-Trichloroethane	50.00	51.5	103	2.54	30	75 - 125
1,1,1-Trichloroethane	50.00	54.9	110	3.20	30	65 - 130
Trichloroethene	50.00	52.4	105	4.09	30	70 - 125
Trichlorofluoromethane	50.00	56.4	113	6.69	30	60 - 145
1,2,3-Trichloropropane	50.00	51.8	104	3.98	30	75 - 125
1,3,5-Trimethylbenzene	50.00	54.6	109	2.96	30	75 - 130
1,2,4-Trimethylbenzene	50.00	54.9	110	1.15	30	75 - 130
Vinyl chloride	50.00	60.0	120	2.91	30	50 - 145
Xylenes (total)	150.0	153	102	3.67	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16005	Laboratory ID:	2D16005-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	97.8	97.8	40 - 140
Benzene	50.00	52.6	105	80 - 120
Bromobenzene	50.00	52.8	106	75 - 125
Bromochloromethane	50.00	54.0	108	65 - 130
Bromodichloromethane	50.00	53.2	106	75 - 120
Bromoform	50.00	53.4	107	70 - 130
Bromomethane	50.00	36.4	72.8	30 - 145
n-Butylbenzene	50.00	59.9	120	70 - 135
2-Butanone	100.0	106	106	30 - 150
sec-Butylbenzene	50.00	53.3	107	70 - 125
tert-Butylbenzene	50.00	53.8	108	70 - 130
Carbon disulfide	50.00	55.8	112	35 - 160
Carbon tetrachloride	50.00	55.7	111	65 - 140
Chlorobenzene	50.00	50.1	100	80 - 120
Chloroethane	50.00	53.8	108	60 - 135
Chloroform	50.00	52.6	105	65 - 135
Chloromethane	50.00	38.9	77.9	40 - 125
2-Chlorotoluene	50.00	51.3	103	75 - 125
4-Chlorotoluene	50.00	51.1	102	75 - 130
Dibromochloromethane	50.00	52.5	105	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.3	96.5	50 - 130
1,2-Dibromoethane (EDB)	50.00	52.5	105	80 - 120
Dibromomethane	50.00	52.2	104	75 - 125
1,2-Dichlorobenzene	50.00	51.6	103	70 - 120
1,3-Dichlorobenzene	50.00	51.3	103	75 - 125
1,4-Dichlorobenzene	50.00	51.4	103	75 - 125
Dichlorodifluoromethane	50.00	49.5	99.0	30 - 155
1,1-Dichloroethane	50.00	53.5	107	70 - 135
1,2-Dichloroethane	50.00	54.6	109	70 - 130
1,1-Dichloroethene	50.00	49.7	99.4	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16005	Laboratory ID:	2D16005-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	52.8	106	70 - 125
trans-1,2-Dichloroethene	50.00	54.3	109	60 - 140
1,2-Dichloropropane	50.00	52.1	104	75 - 125
1,3-Dichloropropane	50.00	51.8	104	75 - 125
2,2-Dichloropropane	50.00	59.4	119	70 - 135
1,1-Dichloropropene	50.00	53.3	107	75 - 130
cis-1,3-Dichloropropene	50.00	56.5	113	70 - 130
trans-1,3-Dichloropropene	50.00	51.0	102	55 - 140
Ethylbenzene	50.00	52.7	105	75 - 125
Hexachlorobutadiene	50.00	50.0	100	50 - 140
2-Hexanone	100.0	111	111	55 - 130
Isopropylbenzene	50.00	50.6	101	75 - 125
p-Isopropyltoluene	50.00	52.3	105	75 - 130
Methylene chloride	50.00	44.6	89.1	55 - 140
Naphthalene	50.00	53.5	107	55 - 140
4-Methyl-2-pentanone	100.0	116	116	60 - 135
Methyl t-Butyl Ether	50.00	55.8	112	65 - 125
n-Propylbenzene	50.00	51.8	104	70 - 130
Styrene	50.00	53.0	106	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.9	99.8	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.0	106	80 - 130
Tetrachloroethene	50.00	53.4	107	45 - 150
Toluene	50.00	51.5	103	75 - 120
1,2,3-Trichlorobenzene	50.00	51.2	102	55 - 140
1,2,4-Trichlorobenzene	50.00	52.0	104	65 - 135
1,1,2-Trichloroethane	50.00	52.2	104	75 - 125
1,1,1-Trichloroethane	50.00	58.4	117	65 - 130
Trichloroethene	50.00	53.6	107	70 - 125
Trichlorofluoromethane	50.00	57.3	115	60 - 145
1,2,3-Trichloropropane	50.00	52.5	105	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16005	Laboratory ID:	2D16005-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	56.0	112	75 - 130
1,2,4-Trimethylbenzene	50.00	57.0	114	75 - 130
Vinyl chloride	50.00	59.4	119	50 - 145
Xylenes (total)	150.0	157	105	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D12001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/12/12 00:00	5.00	5.00
GW0501	1204038-03	04/12/12 00:00	5.00	5.00
GW0502	1204038-05	04/12/12 00:00	5.00	5.00
GW0503	1204038-07	04/12/12 00:00	5.00	5.00
GW0504	1204038-09	04/12/12 00:00	5.00	5.00
GW0520	1204038-11	04/12/12 00:00	5.00	5.00
GW0521	1204038-13	04/12/12 00:00	5.00	5.00
GW0522	1204038-15	04/12/12 00:00	5.00	5.00
GW0523	1204038-17	04/12/12 00:00	5.00	5.00
GW8188-TB	1204038-19	04/12/12 00:00	5.00	5.00
Blank	2D12001-BLK1	04/12/12 00:00	5.00	5.00
LCS	2D12001-BS1	04/12/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D13002 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/13/12 00:00	5.00	5.00
GW0544	1204054-03	04/13/12 00:00	5.00	5.00
GW0545	1204054-05	04/13/12 00:00	5.00	5.00
GW0546	1204054-07	04/13/12 00:00	5.00	5.00
GW0590	1204054-09	04/13/12 00:00	5.00	5.00
GW0591	1204054-11	04/13/12 00:00	5.00	5.00
GW0592	1204054-13	04/13/12 00:00	5.00	5.00
GW0597	1204054-15	04/13/12 00:00	5.00	5.00
GW0598	1204054-17	04/13/12 00:00	5.00	5.00
GW0604	1204054-19	04/13/12 00:00	5.00	5.00
GW8189-TB	1204054-21	04/13/12 00:00	5.00	5.00
Blank	2D13002-BLK1	04/13/12 00:00	5.00	5.00
LCS	2D13002-BS1	04/13/12 00:00	5.00	5.00
LCS Dup	2D13002-BSD1	04/13/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D16005 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0505	1204063-01	04/16/12 00:00	5.00	5.00
GW0506	1204063-03	04/16/12 00:00	5.00	5.00
GW0510	1204063-05	04/16/12 00:00	5.00	5.00
GW0596	1204063-07	04/16/12 00:00	5.00	5.00
GW0605	1204063-09	04/16/12 00:00	5.00	5.00
GW8190-TB	1204063-11	04/16/12 00:00	5.00	5.00
GW0527	1204074-01	04/16/12 00:00	5.00	5.00
GW0547	1204074-03	04/16/12 00:00	5.00	5.00
GW0548	1204074-05	04/16/12 00:00	5.00	5.00
GW0549	1204074-07	04/16/12 00:00	5.00	5.00
GW0576	1204074-09	04/16/12 00:00	5.00	5.00
GW0577	1204074-11	04/16/12 00:00	5.00	5.00
GW0578	1204074-13	04/16/12 00:00	5.00	5.00
GW0579	1204074-15	04/16/12 00:00	5.00	5.00
GW8191-TB	1204074-17	04/16/12 00:00	5.00	5.00
Blank	2D16005-BLK1	04/16/12 00:00	5.00	5.00
LCS	2D16005-BS1	04/16/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0411TUN1.D	Injection Date:	04/11/12
Instrument ID:	MS-VOA6	Injection Time:	07:00
Sequence:	2D10305	Lab Sample ID:	2D10305-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.8	PASS
75	30 - 60% of 95	47.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.78	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	80.1	PASS
175	5 - 9% of 174	7.43	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.35	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0412TUN1.D	Injection Date:	04/12/12
Instrument ID:	MS-VOA6	Injection Time:	07:03
Sequence:	2D10406	Lab Sample ID:	2D10406-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.7	PASS
75	30 - 60% of 95	46.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.76	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.7	PASS
175	5 - 9% of 174	7.35	PASS
176	95 - 101% of 174	96.4	PASS
177	5 - 9% of 176	6.56	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0413TUN1.D	Injection Date:	04/13/12
Instrument ID:	MS-VOA6	Injection Time:	06:46
Sequence:	2D10704	Lab Sample ID:	2D10704-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.3	PASS
75	30 - 60% of 95	48.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.98	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	75.2	PASS
175	5 - 9% of 174	7.24	PASS
176	95 - 101% of 174	96.6	PASS
177	5 - 9% of 176	6.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0416TUN1.D	Injection Date:	04/16/12
Instrument ID:	MS-VOA6	Injection Time:	06:39
Sequence:	2D10810	Lab Sample ID:	2D10810-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.5	PASS
75	30 - 60% of 95	48.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.65	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77	PASS
175	5 - 9% of 174	7.45	PASS
176	95 - 101% of 174	98	PASS
177	5 - 9% of 176	6.48	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10305	Instrument:	MS-VOA6
Calibration:	2103002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10305-TUN1	0411TUN1.D	04/11/12 07:00
Cal Standard	2D10305-CAL1	0411CAL1.D	04/11/12 08:02
Cal Standard	2D10305-CAL2	0411CAL2.D	04/11/12 08:29
Cal Standard	2D10305-CAL3	0411CAL3.D	04/11/12 08:55
Cal Standard	2D10305-CAL4	0411CAL4.D	04/11/12 09:22
Cal Standard	2D10305-CAL5	0411CAL5.D	04/11/12 09:49
Cal Standard	2D10305-CAL6	0411CAL6.D	04/11/12 10:15
Cal Standard	2D10305-CAL7	0411CAL7.D	04/11/12 10:42
Cal Standard	2D10305-CAL8	0411CAL8.D	04/11/12 11:09
Cal Standard	2D10305-CAL9	0411CAL9.D	04/11/12 11:35
Initial Cal Check	2D10305-ICV1	0411ICV1.D	04/11/12 12:29

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10406	Instrument:	MS-VOA6
Calibration:	2103002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10406-TUN1	0412TUN1.D	04/12/12 07:03
Calibration Check	2D10406-CCV1	0412CCV1.D	04/12/12 07:29
LCS	2D12001-BS1	0412LCS1.D	04/12/12 07:56
Blank	2D12001-BLK1	0412BL1.D	04/12/12 09:43
GW8188-TB	1204038-19	0403819.D	04/12/12 11:03
GW0500	1204038-01	0403801.D	04/12/12 12:23
GW0501	1204038-03	0403803.D	04/12/12 12:50
GW0502	1204038-05	0403805.D	04/12/12 13:16
GW0503	1204038-07	0403807.D	04/12/12 13:43
GW0504	1204038-09	0403809.D	04/12/12 14:10
GW0520	1204038-11	0403811.D	04/12/12 14:36
GW0521	1204038-13	0403813.D	04/12/12 15:03
GW0522	1204038-15	0403815.D	04/12/12 15:30
GW0523	1204038-17	0403817.D	04/12/12 15:57

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10704	Instrument:	MS-VOA6
Calibration:	2103002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10704-TUN1	0413TUN1.D	04/13/12 06:46
Calibration Check	2D10704-CCV1	0413CCV1.D	04/13/12 07:13
LCS	2D13002-BS1	0413LCS1.D	04/13/12 07:40
Blank	2D13002-BLK1	0413BL1.D	04/13/12 09:00
GW8189-TB	1204054-21	0405421.D	04/13/12 10:21
GW0529	1204054-01	0405401.D	04/13/12 13:01
GW0544	1204054-03	0405403.D	04/13/12 13:28
GW0545	1204054-05	0405405.D	04/13/12 13:55
GW0546	1204054-07	0405407.D	04/13/12 14:21
GW0590	1204054-09	0405409.D	04/13/12 14:48
GW0591	1204054-11	0405411.D	04/13/12 15:15
GW0592	1204054-13	0405413.D	04/13/12 15:42
GW0597	1204054-15	0405415.D	04/13/12 16:08
GW0598	1204054-17	0405417.D	04/13/12 16:35
GW0604	1204054-19	0405419.D	04/13/12 17:02
LCS Dup	2D13002-BSD1	0413LCD1.D	04/13/12 18:22

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10810	Instrument:	MS-VOA6
Calibration:	2103002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10810-TUN1	0416TUN1.D	04/16/12 06:39
Calibration Check	2D10810-CCV1	0416CCV1.D	04/16/12 07:08
LCS	2D16005-BS1	0416LCS1.D	04/16/12 07:43
Blank	2D16005-BLK1	0416BL1.D	04/16/12 09:03
GW8190-TB	1204063-11	0406311.D	04/16/12 09:30
GW8191-TB	1204074-17	0407417.D	04/16/12 09:57
GW0505	1204063-01	0406301.D	04/16/12 10:24
GW0506	1204063-03	0406303.D	04/16/12 10:50
GW0510	1204063-05	0406305.D	04/16/12 11:17
GW0596	1204063-07	0406307.D	04/16/12 11:44
GW0605	1204063-09	0406309.D	04/16/12 12:11
GW0527	1204074-01	0407401.D	04/16/12 12:38
GW0547	1204074-03	0407403.D	04/16/12 13:04
GW0548	1204074-05	0407405.D	04/16/12 13:31
GW0549	1204074-07	0407407.D	04/16/12 13:58
GW0576	1204074-09	0407409.D	04/16/12 14:25
GW0577	1204074-11	0407411.D	04/16/12 14:51
GW0578	1204074-13	0407413.D	04/16/12 15:18
GW0579	1204074-15	0407415.D	04/16/12 15:45

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10406	Instrument:	MS-VOA6
		Calibration:	2103002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D10406-CCV1)			Lab File ID: 0412CCV1.D			Analyzed: 04/12/12 07:29			
Fluorobenzene	1105412	7.96	1114742	7.96	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	426708	11.06	432028	11.06	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	356343	13.45	356585	13.46	100	50 - 200	-0.0100	+/-0.50	
LCS (2D12001-BS1)			Lab File ID: 0412LCS1.D			Analyzed: 04/12/12 07:56			
Fluorobenzene	1108124	7.95	1105412	7.96	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	434926	11.06	426708	11.06	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	358368	13.46	356343	13.45	101	50 - 200	0.0100	+/-0.50	
Blank (2D12001-BLK1)			Lab File ID: 0412BL1.D			Analyzed: 04/12/12 09:43			
Fluorobenzene	1105356	7.95	1105412	7.96	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	432058	11.06	426708	11.06	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	360921	13.46	356343	13.45	101	50 - 200	0.0100	+/-0.50	
GW8188-TB (1204038-19)			Lab File ID: 0403819.D			Analyzed: 04/12/12 11:03			
Fluorobenzene	1075389	7.95	1105412	7.96	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	418205	11.07	426708	11.06	98	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	350794	13.46	356343	13.45	98	50 - 200	0.0100	+/-0.50	
GW0500 (1204038-01)			Lab File ID: 0403801.D			Analyzed: 04/12/12 12:23			
Fluorobenzene	1058885	7.96	1105412	7.96	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	420538	11.06	426708	11.06	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	351247	13.46	356343	13.45	99	50 - 200	0.0100	+/-0.50	
GW0501 (1204038-03)			Lab File ID: 0403803.D			Analyzed: 04/12/12 12:50			
Fluorobenzene	1049557	7.95	1105412	7.96	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	409641	11.07	426708	11.06	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	339709	13.46	356343	13.45	95	50 - 200	0.0100	+/-0.50	
GW0502 (1204038-05)			Lab File ID: 0403805.D			Analyzed: 04/12/12 13:16			
Fluorobenzene	1056597	7.96	1105412	7.96	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	417003	11.07	426708	11.06	98	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	343828	13.46	356343	13.45	96	50 - 200	0.0100	+/-0.50	
GW0503 (1204038-07)			Lab File ID: 0403807.D			Analyzed: 04/12/12 13:43			
Fluorobenzene	1022616	7.95	1105412	7.96	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	413153	11.07	426708	11.06	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	346447	13.46	356343	13.45	97	50 - 200	0.0100	+/-0.50	
GW0504 (1204038-09)			Lab File ID: 0403809.D			Analyzed: 04/12/12 14:10			
Fluorobenzene	1053516	7.96	1105412	7.96	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	409391	11.07	426708	11.06	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	343896	13.46	356343	13.45	97	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10406	Instrument:	MS-VOA6
		Calibration:	2103002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0520 (1204038-11)			Lab File ID: 0403811.D			Analyzed: 04/12/12 14:36			
Fluorobenzene	1046273	7.96	1105412	7.96	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	407831	11.06	426708	11.06	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	343552	13.46	356343	13.45	96	50 - 200	0.0100	+/-0.50	
GW0521 (1204038-13)			Lab File ID: 0403813.D			Analyzed: 04/12/12 15:03			
Fluorobenzene	1020341	7.96	1105412	7.96	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	393888	11.07	426708	11.06	92	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	323062	13.46	356343	13.45	91	50 - 200	0.0100	+/-0.50	
GW0522 (1204038-15)			Lab File ID: 0403815.D			Analyzed: 04/12/12 15:30			
Fluorobenzene	1042531	7.96	1105412	7.96	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	404284	11.06	426708	11.06	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	336132	13.47	356343	13.45	94	50 - 200	0.0200	+/-0.50	
GW0523 (1204038-17)			Lab File ID: 0403817.D			Analyzed: 04/12/12 15:57			
Fluorobenzene	1050386	7.96	1105412	7.96	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	412370	11.07	426708	11.06	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	345923	13.46	356343	13.45	97	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10704	Instrument:	MS-VOA6
		Calibration:	2103002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D10704-CCV1)			Lab File ID: 0413CCV1.D			Analyzed: 04/13/12 07:13			
Fluorobenzene	1095309	7.96	1114742	7.96	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	429217	11.07	432028	11.06	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	354422	13.46	356585	13.46	99	50 - 200	0.0000	+/-0.50	
LCS (2D13002-BS1)			Lab File ID: 0413LCS1.D			Analyzed: 04/13/12 07:40			
Fluorobenzene	1081248	7.96	1095309	7.96	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	432099	11.06	429217	11.07	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	353345	13.46	354422	13.46	100	50 - 200	0.0000	+/-0.50	
Blank (2D13002-BLK1)			Lab File ID: 0413BL1.D			Analyzed: 04/13/12 09:00			
Fluorobenzene	1073222	7.95	1095309	7.96	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	426311	11.07	429217	11.07	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	351175	13.46	354422	13.46	99	50 - 200	0.0000	+/-0.50	
GW8189-TB (1204054-21)			Lab File ID: 0405421.D			Analyzed: 04/13/12 10:21			
Fluorobenzene	1066036	7.96	1095309	7.96	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	420824	11.06	429217	11.07	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	349000	13.46	354422	13.46	98	50 - 200	0.0000	+/-0.50	
GW0529 (1204054-01)			Lab File ID: 0405401.D			Analyzed: 04/13/12 13:01			
Fluorobenzene	1034586	7.97	1095309	7.96	94	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	408400	11.07	429217	11.07	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	335173	13.46	354422	13.46	95	50 - 200	0.0000	+/-0.50	
GW0544 (1204054-03)			Lab File ID: 0405403.D			Analyzed: 04/13/12 13:28			
Fluorobenzene	1048410	7.96	1095309	7.96	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	407652	11.07	429217	11.07	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	340285	13.46	354422	13.46	96	50 - 200	0.0000	+/-0.50	
GW0545 (1204054-05)			Lab File ID: 0405405.D			Analyzed: 04/13/12 13:55			
Fluorobenzene	1042735	7.97	1095309	7.96	95	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	410733	11.07	429217	11.07	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	341441	13.46	354422	13.46	96	50 - 200	0.0000	+/-0.50	
GW0546 (1204054-07)			Lab File ID: 0405407.D			Analyzed: 04/13/12 14:21			
Fluorobenzene	1046272	7.97	1095309	7.96	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	418272	11.07	429217	11.07	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	344479	13.47	354422	13.46	97	50 - 200	0.0100	+/-0.50	
GW0590 (1204054-09)			Lab File ID: 0405409.D			Analyzed: 04/13/12 14:48			
Fluorobenzene	1021502	7.97	1095309	7.96	93	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	390430	11.07	429217	11.07	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	317904	13.46	354422	13.46	90	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10704	Instrument:	MS-VOA6
		Calibration:	2103002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0591 (1204054-11)			Lab File ID: 0405411.D			Analyzed: 04/13/12 15:15			
Fluorobenzene	1039490	7.97	1095309	7.96	95	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	388697	11.08	429217	11.07	91	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	320707	13.46	354422	13.46	90	50 - 200	0.0000	+/-0.50	
GW0592 (1204054-13)			Lab File ID: 0405413.D			Analyzed: 04/13/12 15:42			
Fluorobenzene	1092506	7.96	1095309	7.96	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	428496	11.07	429217	11.07	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	356512	13.46	354422	13.46	101	50 - 200	0.0000	+/-0.50	
GW0597 (1204054-15)			Lab File ID: 0405415.D			Analyzed: 04/13/12 16:08			
Fluorobenzene	1110546	7.97	1095309	7.96	101	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	436466	11.08	429217	11.07	102	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	364793	13.47	354422	13.46	103	50 - 200	0.0100	+/-0.50	
GW0598 (1204054-17)			Lab File ID: 0405417.D			Analyzed: 04/13/12 16:35			
Fluorobenzene	1092812	7.97	1095309	7.96	100	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	433799	11.08	429217	11.07	101	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	365859	13.47	354422	13.46	103	50 - 200	0.0100	+/-0.50	
GW0604 (1204054-19)			Lab File ID: 0405419.D			Analyzed: 04/13/12 17:02			
Fluorobenzene	1083175	7.97	1095309	7.96	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	426626	11.08	429217	11.07	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	356838	13.47	354422	13.46	101	50 - 200	0.0100	+/-0.50	
LCS Dup (2D13002-BSD1)			Lab File ID: 0413LCD1.D			Analyzed: 04/13/12 18:22			
Fluorobenzene	1036005	7.97	1095309	7.96	95	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	416410	11.07	429217	11.07	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	342226	13.46	354422	13.46	97	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10810	Instrument:	MS-VOA6
		Calibration:	2103002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D10810-CCV1)			Lab File ID: 0416CCV1.D			Analyzed: 04/16/12 07:08			
Fluorobenzene	986127	7.97	1114742	7.96	88	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	384091	11.08	432028	11.06	89	50 - 200	0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	327887	13.47	356585	13.46	92	50 - 200	0.0100	+/-0.50	
LCS (2D16005-BS1)			Lab File ID: 0416LCS1.D			Analyzed: 04/16/12 07:43			
Fluorobenzene	1017164	7.97	986127	7.97	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	402006	11.07	384091	11.08	105	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	335461	13.48	327887	13.47	102	50 - 200	0.0100	+/-0.50	
Blank (2D16005-BLK1)			Lab File ID: 0416BL1.D			Analyzed: 04/16/12 09:03			
Fluorobenzene	986222	7.97	986127	7.97	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	396962	11.08	384091	11.08	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	339820	13.47	327887	13.47	104	50 - 200	0.0000	+/-0.50	
GW8190-TB (1204063-11)			Lab File ID: 0406311.D			Analyzed: 04/16/12 09:30			
Fluorobenzene	991670	7.97	986127	7.97	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	393924	11.08	384091	11.08	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	338848	13.48	327887	13.47	103	50 - 200	0.0100	+/-0.50	
GW8191-TB (1204074-17)			Lab File ID: 0407417.D			Analyzed: 04/16/12 09:57			
Fluorobenzene	975750	7.96	986127	7.97	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	393332	11.08	384091	11.08	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	334294	13.47	327887	13.47	102	50 - 200	0.0000	+/-0.50	
GW0505 (1204063-01)			Lab File ID: 0406301.D			Analyzed: 04/16/12 10:24			
Fluorobenzene	973931	7.97	986127	7.97	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	389666	11.07	384091	11.08	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	330843	13.47	327887	13.47	101	50 - 200	0.0000	+/-0.50	
GW0506 (1204063-03)			Lab File ID: 0406303.D			Analyzed: 04/16/12 10:50			
Fluorobenzene	981662	7.97	986127	7.97	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	388660	11.08	384091	11.08	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	327524	13.47	327887	13.47	100	50 - 200	0.0000	+/-0.50	
GW0510 (1204063-05)			Lab File ID: 0406305.D			Analyzed: 04/16/12 11:17			
Fluorobenzene	969515	7.96	986127	7.97	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	384882	11.08	384091	11.08	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	328273	13.47	327887	13.47	100	50 - 200	0.0000	+/-0.50	
GW0596 (1204063-07)			Lab File ID: 0406307.D			Analyzed: 04/16/12 11:44			
Fluorobenzene	965285	7.96	986127	7.97	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	384896	11.08	384091	11.08	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	325913	13.47	327887	13.47	99	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10810	Instrument:	MS-VOA6
		Calibration:	2103002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0605 (1204063-09)			Lab File ID: 0406309.D			Analyzed: 04/16/12 12:11			
Fluorobenzene	957930	7.97	986127	7.97	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	384216	11.07	384091	11.08	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	325589	13.47	327887	13.47	99	50 - 200	0.0000	+/-0.50	
GW0527 (1204074-01)			Lab File ID: 0407401.D			Analyzed: 04/16/12 12:38			
Fluorobenzene	946856	7.97	986127	7.97	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	380979	11.07	384091	11.08	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	324751	13.46	327887	13.47	99	50 - 200	-0.0100	+/-0.50	
GW0547 (1204074-03)			Lab File ID: 0407403.D			Analyzed: 04/16/12 13:04			
Fluorobenzene	950521	7.96	986127	7.97	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	379396	11.08	384091	11.08	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	320061	13.47	327887	13.47	98	50 - 200	0.0000	+/-0.50	
GW0548 (1204074-05)			Lab File ID: 0407405.D			Analyzed: 04/16/12 13:31			
Fluorobenzene	933898	7.97	986127	7.97	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	378188	11.07	384091	11.08	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	318413	13.47	327887	13.47	97	50 - 200	0.0000	+/-0.50	
GW0549 (1204074-07)			Lab File ID: 0407407.D			Analyzed: 04/16/12 13:58			
Fluorobenzene	932764	7.97	986127	7.97	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	374408	11.07	384091	11.08	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	319896	13.47	327887	13.47	98	50 - 200	0.0000	+/-0.50	
GW0576 (1204074-09)			Lab File ID: 0407409.D			Analyzed: 04/16/12 14:25			
Fluorobenzene	927180	7.96	986127	7.97	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	365183	11.08	384091	11.08	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	313151	13.47	327887	13.47	96	50 - 200	0.0000	+/-0.50	
GW0577 (1204074-11)			Lab File ID: 0407411.D			Analyzed: 04/16/12 14:51			
Fluorobenzene	925473	7.97	986127	7.97	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	375039	11.07	384091	11.08	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	317770	13.47	327887	13.47	97	50 - 200	0.0000	+/-0.50	
GW0578 (1204074-13)			Lab File ID: 0407413.D			Analyzed: 04/16/12 15:18			
Fluorobenzene	924374	7.96	986127	7.97	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	372998	11.07	384091	11.08	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	317143	13.47	327887	13.47	97	50 - 200	0.0000	+/-0.50	
GW0579 (1204074-15)			Lab File ID: 0407415.D			Analyzed: 04/16/12 15:45			
Fluorobenzene	928921	7.97	986127	7.97	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	368615	11.07	384091	11.08	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	310332	13.46	327887	13.47	95	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2103002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/11/12 8:02 4/11/12 11:35

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	8.496107E-02	2	6.068293E-02	4	6.779119E-02	10	6.917043E-02	20	6.595196E-02	100	6.573113E-02
Acrolein	2.502	3.280267E-02	5.005	2.643085E-02	10.01	2.967787E-02	25.02	3.094796E-02	50.05	2.806631E-02	250.2	2.768355E-02
Acrylonitrile	2.498	6.138408E-02	4.997	6.117598E-02	9.994	6.495467E-02	24.98	0.0685856	49.97	6.580615E-02	249.8	6.408932E-02
Benzene	0.5	0.777288	1	0.7518827	2	0.8635058	5	0.8683943	10	0.8429564	50	0.8543276
Bromobenzene	0.5	0.600831	1	0.5904045	2	0.6558766	5	0.6653303	10	0.6215003	50	0.6638244
Bromochloromethane	0.5	9.538131E-02	1	9.564717E-02	2	0.1048678	5	0.1140736	10	0.1120336	50	0.1108932
Tert-Amyl Methyl Ether	0.5	0.5185359	1	0.4878639	2	0.57548	5	0.6057513	10	0.5912427	50	0.6190487
Bromodichloromethane	0.5	~~0.2172259~~	1	0.2096008	2	0.2412123	5	0.2620423	10	0.2596205	50	0.2827864
Bromoform	0.5	0.1687263	1	0.1554296	2	0.1803892	5	0.207175	10	0.2224651	50	0.2921821
Bromomethane	0.5	~~8.320716E-02~~	1	0.1124237	2	0.1243553	5	0.1126123	10	0.1084012	50	0.1118997
Bromofluorobenzene	30	0.8877904	35	0.8462917	40	0.832294	50	0.8264447	60	0.8118136	70	0.8009853
n-Butylbenzene	0.5	1.530884	1	1.296622	2	1.630535	5	1.773562	10	1.782133	50	1.873706
2-Butanone	1	0.1299435	2	0.115866	4	0.1120667	10	0.1286237	20	0.1279424	100	0.1213608
sec-Butylbenzene	0.5	2.180624	1	2.019848	2	2.394353	5	2.530069	10	2.491287	50	2.574624
tert-Butylbenzene	0.5	1.58375	1	1.531326	2	1.759767	5	1.85419	10	1.807466	50	1.874095
Carbon disulfide	0.5	0.4470902	1	0.3842505	2	0.46325	5	0.4704141	10	0.4665626	50	0.4758408
Carbon tetrachloride	0.5	0.1635771	1	0.1535472	2	0.1823823	5	0.189208	10	0.1880078	50	0.2137625
Chlorobenzene	0.5	1.326029	1	1.20924	2	1.377493	5	1.406723	10	1.369306	50	1.390669
Chloroethane	0.5	0.1052341	1	9.564717E-02	2	0.1165848	5	0.121764	10	0.1182752	50	0.1182255
Chloroform	0.5	0.3749739	1	0.3400407	2	0.3844563	5	0.384131	10	0.3726363	50	0.3742984
2-Chloroethyl vinyl ether	0.9975	0.1098419	1.995	0.113036	3.99	0.1348717	9.975	0.1463511	19.95	0.145956	99.75	0.1463963
Chloromethane	0.5	0.2231066	1	0.2418876	2	0.2524529	5	0.2296895	10	0.2329779	50	0.2332724
1-Chlorohexane	0.5	0.8286188	1	0.6587991	2	0.7135258	5	0.6810136	10	0.6594871	50	0.6753391
2-Chlorotoluene	0.5	1.835257	1	1.687553	2	1.909546	5	1.975156	10	1.956122	50	1.952062
4-Chlorotoluene	0.5	2.095311	1	1.871801	2	2.159577	5	2.255915	10	2.186435	50	2.249277
Cyclohexane	0.5	0.3338088	1	0.3081759	2	0.3664521	5	0.382042	10	0.3650478	50	0.3678927
Dibromochloromethane	0.5	0.3233699	1	0.3051598	2	0.3737173	5	0.3821036	10	0.4023126	50	0.4700374
1,2-Dibromo-3-chloropropane	0.5	6.046297E-02	1	7.928752E-02	2	8.863533E-02	5	9.861978E-02	10	0.1092579	50	0.124017
1,2-Dibromoethane (EDB)	0.5	0.4345698	1	0.4147249	2	0.4815183	5	0.5225236	10	0.5209195	50	0.5267311
Dibromomethane	0.5	0.1324196	1	0.1262986	2	0.1442647	5	0.1558865	10	0.1492629	50	0.1479162
1,2-Dichlorobenzene	0.5	1.048605	1	0.9402738	2	1.111786	5	1.140815	10	1.127712	50	1.155655

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2103002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/11/12 8:02 4/11/12 11:35

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	1.114133	1	1.006279	2	1.151019	5	1.220375	10	1.183	50	1.18423
1,4-Dichlorobenzene	0.5	1.19169	1	1.054386	2	1.208111	5	1.222116	10	1.192377	50	1.198032
Dichlorodifluoromethane	0.5	0.1385067	1	0.138881	2	0.1626226	5	0.1684585	10	0.1927339	50	0.1949843
1,1-Dichloroethane	0.5	0.3515541	1	0.3409639	2	0.4093056	5	0.4077651	10	0.4053953	50	0.4134372
1,2-Dichloroethane	0.5	0.2919215	1	0.2758363	2	0.3125077	5	0.3289018	10	0.3179609	50	0.3188562
1,1-Dichloroethene	0.5	0.1512998	1	0.1299651	2	0.1501708	5	0.1564493	10	0.1511104	50	0.1520075
cis-1,2-Dichloroethene	0.5	0.2088175	1	0.1912416	2	0.2296722	5	0.2378887	10	0.2263391	50	0.2263784
trans-1,2-Dichloroethene	0.5	0.1898341	1	0.1773403	2	0.2150429	5	0.2218855	10	0.2168569	50	0.2172372
1,2-Dichloroethene (total)	1	0.1993258	2	0.1842909	4	0.2223576	10	0.2298871	20	0.221598	100	0.2218078
1,2-Dichloropropane	0.5	0.2046391	1	0.1973613	2	0.2285699	5	0.2429489	10	0.232997	50	0.235399
1,3-Dichloropropane	0.5	0.7710924	1	0.6960137	2	0.8302502	5	0.8664717	10	0.8381218	50	0.8471282
2,2-Dichloropropane	0.5	0.2353324	1	0.2489833	2	0.2790441	5	0.2870294	10	0.2745062	50	0.2805876
1,1-Dichloropropene	0.5	0.2761364	1	0.2586905	2	0.2961501	5	0.3069346	10	0.2948745	50	0.2979965
cis-1,3-Dichloropropene	0.5	0.2951198	1	0.2600622	2	0.3088878	5	0.3230028	10	0.3262458	50	0.3415855
trans-1,3-Dichloropropene	0.5	0.7114404	1	0.6165555	2	0.7308234	5	0.7824418	10	0.7834723	50	0.831971
Diisopropyl Ether	0.5	0.7868313	1	0.7444177	2	0.8738484	5	0.8955516	10	0.8851404	50	0.8899488
Ethylbenzene	0.5	2.160095	1	2.044658	2	2.308817	5	2.53617	10	2.369449	50	2.418923
Ethyl tert-Butyl Ether	0.5	0.6103578	1	0.5747535	2	0.6801845	5	0.7036106	10	0.6919249	50	0.6869553
Ethyl Methacrylate	0.5	0.5805779	1	0.5521172	2	0.6273467	5	0.6938875	10	0.6993393	50	0.7262968
Hexachlorobutadiene	0.5	0.3042142	1	0.2600533	2	0.2939766	5	0.2945942	10	0.2978022	50	0.3059011
2-Hexanone	1	0.3764456	2	0.3578972	4	0.3959227	10	0.4397962	20	0.4406399	100	0.4341022
Iodomethane	0.5	8.454838E-02	1	0.1070161	2	0.1518583	5	0.1838772	10	0.193093	50	0.2295408
Isopropylbenzene	0.5	1.77136	1	1.636034	2	1.902118	5	1.992985	10	1.950877	50	2.026436
p-Isopropyltoluene	0.5	1.740447	1	1.528006	2	1.830832	5	1.938515	10	1.927849	50	2.014513
Methylene chloride	0.5	0.261744	1	0.1768919	2	0.1950383	5	0.1825891	10	0.1750946	50	0.1698547
Methyl Acetate	0.5	0.1782274	1	0.1231068	2	0.1353919	5	0.1518058	10	0.1441505	50	0.1438234
Methylcyclohexane	0.5	0.2589584	1	0.2472688	2	0.2898085	5	0.3016417	10	0.2851883	50	0.2904767
Naphthalene	0.5	0.8594605	1	0.6807064	2	0.9131423	5	1.122544	10	1.163035	50	1.36963
Methyl Methacrylate	0.5	0.1862747	1	0.1806903	2	0.2177783	5	0.2328393	10	0.2294082	50	0.2287657
4-Methyl-2-pentanone	1	0.2109067	2	0.1939849	4	0.2238273	10	0.246464	20	0.2454911	100	0.2419687
Methyl t-Butyl Ether	0.5	0.469633	1	0.4612219	2	0.5309527	5	0.5578824	10	0.5420416	50	0.5432813

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2103002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/11/12 8:02 4/11/12 11:35

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	2.814852	1	2.59284	2	3.07429	5	3.185376	10	3.087728	50	3.213545
Styrene	0.5	1.278733	1	1.211922	2	1.440814	5	1.529868	10	1.53568	50	1.587784
1,1,2,2-Tetrachloroethane	0.5	0.6441997	1	0.6178595	2	0.7164414	5	0.7755997	10	0.7861701	50	0.7841617
1,1,1,2-Tetrachloroethane	0.5	0.3211114	1	0.2924196	2	0.3388475	5	0.3688732	10	0.3763151	50	0.4256398
tert-Butyl alcohol	2.5	1.280348E-02	5	1.144812E-02	10	1.424819E-02	25	1.576724E-02	50	1.623638E-02	250	0.015282
Tetrachloroethene	0.5	0.4732308	1	0.4306166	2	0.4931874	5	0.5117474	10	0.4977498	50	0.5085131
Toluene	0.5	1.249239	1	1.097261	2	1.250918	5	1.300235	10	1.246305	50	1.256042
1,2,3-Trichlorobenzene	0.5	0.4992152	1	0.4305337	2	0.5361941	5	0.5868222	10	0.6026625	50	0.65138
1,2,4-Trichlorobenzene	0.5	0.5853195	1	0.4753202	2	0.5980404	5	0.6459086	10	0.6584388	50	0.7312192
1,1,2-Trichloroethane	0.5	0.3577795	1	0.3445201	2	0.4035419	5	0.4172977	10	0.4214139	50	0.4200384
1,1,1-Trichloroethane	0.5	0.2332689	1	0.2299647	2	0.2652178	5	0.2741705	10	0.2678347	50	0.2809695
Tetrahydrofuran	0.5	3.296304E-02	1	2.176197E-02	2	2.210035E-02	5	2.421858E-02	10	2.480596E-02	50	2.397373E-02
Trichloroethene	0.5	0.2022146	1	0.1829852	2	0.2199556	5	0.2206353	10	0.2145251	50	0.2181411
Trichlorofluoromethane	0.5	0.2298127	1	0.2172504	2	0.2644285	5	0.2772229	10	0.2739321	50	0.2796159
1,2,3-Trichloropropane	0.5	0.1327225	1	0.1387334	2	0.1542026	5	0.169376	10	0.1652304	50	0.1664514
1,3,5-Trimethylbenzene	0.5	1.799802	1	1.652242	2	1.968002	5	2.094019	10	2.067625	50	2.126127
1,2,4-Trimethylbenzene	0.5	1.742347	1	1.545013	2	1.899004	5	2.063063	10	2.038954	50	2.122321
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.136598	1	0.1325238	2	0.1573833	5	0.1591607	10	0.1567806	50	0.1608841
Vinyl chloride	0.5	0.1713149	1	0.1450534	2	0.1674809	5	0.1574938	10	0.1661349	50	0.1608477
m,p-Xylene	1	1.699087	2	1.535488	4	1.808903	10	1.875838	20	1.836331	100	1.836626
o-Xylene	0.5	1.733098	1	1.561136	2	1.871126	5	1.933044	10	1.90338	50	1.912291
Vinyl acetate	0.996	0.3599062	1.992	0.3523708	3.984	0.4204521	9.96	0.4852817	19.92	0.5000716	99.62	0.5392591
Xylenes (total)	1.5	1.710424	3	1.544037	6	1.829644	15	1.894907	30	1.858681	150	1.861848
Dibromofluoromethane	30	0.268341	35	0.2581539	40	0.2556006	50	0.2512714	60	0.2473358	70	0.2442383
1,2-Dichloroethane-d4	30	6.470866E-02	35	6.238055E-02	40	6.138971E-02	50	6.086629E-02	60	5.963642E-02	70	0.0584759
Toluene-d8	30	2.357385	35	2.243187	40	2.19781	50	2.160291	60	2.139065	70	2.095187
tert-Amyl alcohol	2.5	9.863118E-03	5	9.59637E-03	10	1.044051E-02	25	1.295843E-02	50	1.344316E-02	250	1.342748E-02
tert-Amyl ethyl ether	0.5	0.4923305	1	0.4729338	2	0.5519372	5	0.573431	10	0.5583232	50	0.5715494

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2103002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/11/12 8:02 4/11/12 11:35

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	6.986289E-02	300	7.076007E-02	400	7.463703E-02						
Acrolein	500.5	2.972855E-02	750.8	3.002864E-02	1001	0.0309352						
Acrylonitrile	499.7	6.800327E-02	749.6	7.062809E-02	999.4	7.389554E-02						
Benzene	100	0.8920252	150	0.8945881	200	0.8848317						
Bromobenzene	100	0.7192706	150	0.7287337	200	0.7306349						
Bromochloromethane	100	0.1177817	150	0.1172625	200	0.1148616						
Tert-Amyl Methyl Ether	100	0.6494859	150	0.6637083	200	0.6672665						
Bromodichloromethane	100	0.3100681	150	0.3155646	200	0.3152005						
Bromoform	100	0.3535271	150	0.3844458	200	~~0.4049969~~						
Bromomethane	100	0.133596	150	0.1392387	200	0.1429737						
Bromofluorobenzene	30	0.9102929	30	0.9177666	30	0.9224958						
n-Butylbenzene	100	2.078435	150	~~2.089474~~	200	~~2.079087~~						
2-Butanone	200	0.1282972	300	0.1356948	400	0.1431185						
sec-Butylbenzene	100	2.801321	150	2.777865	200	2.766526						
tert-Butylbenzene	100	2.028886	150	2.040139	200	2.047416						
Carbon disulfide	100	0.5169957	150	0.5346399	200	0.5335326						
Carbon tetrachloride	100	0.2449312	150	0.2523579	200	~~0.2556082~~						
Chlorobenzene	100	1.470728	150	1.508989	200	1.479488						
Chloroethane	100	0.1308507	150	0.1314612	200	0.1317264						
Chloroform	100	0.3970236	150	0.4003376	200	0.3953501						
2-Chloroethyl vinyl ether	199.5	0.1549007	299.2	0.1550177	399	0.1570909						
Chloromethane	100	0.2627825	150	0.2607857	200	0.2611077						
1-Chlorohexane	100	0.731497	150	0.738343	200	0.7296356						
2-Chlorotoluene	100	2.076548	150	2.126133	200	2.119475						
4-Chlorotoluene	100	2.414444	150	2.418744	200	2.439603						
Cyclohexane	100	0.3933213	150	0.3914278	200	0.3868415						
Dibromochloromethane	100	0.5446571	150	0.5826941	200	~~0.5924522~~						
1,2-Dibromo-3-chloropropane	100	0.139076	150	0.1460763	200	~~0.1582876~~						
1,2-Dibromoethane (EDB)	100	0.5621025	150	0.580317	200	0.5866141						
Dibromomethane	100	0.1570843	150	0.157744	200	0.1577216						
1,2-Dichlorobenzene	100	1.218922	150	1.24105	200	1.257575						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2103002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/11/12 8:02 4/11/12 11:35

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	1.270152	150	1.289208	200	1.284807						
1,4-Dichlorobenzene	100	1.27287	150	1.28281	200	1.27695						
Dichlorodifluoromethane	100	0.2145044	150	0.2155649	200	~~0.2152884~~						
1,1-Dichloroethane	100	0.4410614	150	0.4509318	200	0.4459694						
1,2-Dichloroethane	100	0.3368426	150	0.3397952	200	0.3404386						
1,1-Dichloroethene	100	0.1667164	150	0.169801	200	0.1695197						
cis-1,2-Dichloroethene	100	0.2391594	150	0.2405088	200	0.2376965						
trans-1,2-Dichloroethene	100	0.2298387	150	0.2285791	200	0.2278055						
1,2-Dichloroethene (total)	200	0.234499	300	0.234544	400	0.232751						
1,2-Dichloropropane	100	0.25039	150	0.2496181	200	0.2456525						
1,3-Dichloropropane	100	0.9001305	150	0.92336	200	0.9089042						
2,2-Dichloropropane	100	0.3023091	150	0.3042906	200	0.3013089						
1,1-Dichloropropene	100	0.3122743	150	0.3133752	200	0.3097736						
cis-1,3-Dichloropropene	100	0.3696837	150	0.3686111	200	0.3716466						
trans-1,3-Dichloropropene	100	0.8965912	150	0.9096424	200	0.9022306						
Diisopropyl Ether	100	0.9313509	150	0.9577507	200	0.9519636						
Ethylbenzene	100	2.555405	150	2.587789	200	2.550262						
Ethyl tert-Butyl Ether	100	0.733642	150	0.7459403	200	0.7426182						
Ethyl Methacrylate	100	0.7683169	150	0.8036984	200	0.8166145						
Hexachlorobutadiene	100	0.3370203	150	0.3513464	200	0.3598449						
2-Hexanone	200	0.4549427	300	0.4747099	400	0.4949829						
Iodomethane	100	0.2571961	150	0.2663459	200	~~0.2649569~~						
Isopropylbenzene	100	2.144283	150	2.162865	200	2.13814						
p-Isopropyltoluene	100	2.186494	150	2.200268	200	2.198111						
Methylene chloride	100	0.1818254	150	0.1857269	200	0.1847412						
Methyl Acetate	100	0.1492252	150	0.1548468	200	0.1628817						
Methylcyclohexane	100	0.3116761	150	0.3075019	200	0.305585						
Naphthalene	100	1.52503	150	1.607045	200	~~1.67088~~						
Methyl Methacrylate	100	0.2437734	150	0.2466081	200	0.2536047						
4-Methyl-2-pentanone	200	0.2524631	300	0.2555735	400	0.2652707						
Methyl t-Butyl Ether	100	0.5749914	150	0.5848282	200	0.6046837						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2103002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/11/12 8:02 4/11/12 11:35

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	3.427229	150	3.450258	200	3.445133						
Styrene	100	1.65833	150	1.678972	200	1.642118						
1,1,2,2-Tetrachloroethane	100	0.8381802	150	0.8453966	200	0.8847772						
1,1,1,2-Tetrachloroethane	100	0.4760962	150	0.4948365	200	~~0.4921201~~						
tert-Butyl alcohol	500	1.555447E-02	750	1.583711E-02	1000	1.817331E-02						
Tetrachloroethene	100	0.5462979	150	0.5595684	200	0.5498941						
Toluene	100	1.305131	150	1.286011	200	1.247853						
1,2,3-Trichlorobenzene	100	0.7108894	150	0.7383501	200	~~0.7641971~~						
1,2,4-Trichlorobenzene	100	0.8020113	150	0.8290557	200	~~0.8386289~~						
1,1,2-Trichloroethane	100	0.4408416	150	0.4521019	200	0.4502609						
1,1,1-Trichloroethane	100	0.3075626	150	0.3133153	200	0.3145437						
Tetrahydrofuran	100	2.521471E-02	150	2.606826E-02	200	2.723334E-02						
Trichloroethene	100	0.231878	150	0.2304823	200	0.2300225						
Trichlorofluoromethane	100	0.3026616	150	0.3058074	200	0.3012343						
1,2,3-Trichloropropane	100	0.1747206	150	0.1812233	200	0.1855743						
1,3,5-Trimethylbenzene	100	2.264836	150	2.277342	200	2.264891						
1,2,4-Trimethylbenzene	100	2.292007	150	2.320871	200	2.325501						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.1749413	150	0.1763992	200	0.1756389						
Vinyl chloride	100	0.1841307	150	0.1757585	200	0.1701379						
m,p-Xylene	200	1.913346	300	1.913009	400	1.814155						
o-Xylene	100	1.992241	150	2.021839	200	1.985332						
Vinyl acetate	199.2	0.5896106	298.9	0.6125609	398.5	~~0.6279042~~						
Xylenes (total)	300	1.939644	450	1.949287	600	1.871214						
Dibromofluoromethane	30	0.2681042	30	0.2661486	30	0.2662964						
1,2-Dichloroethane-d4	30	6.301996E-02	30	6.397221E-02	30	6.350877E-02						
Toluene-d8	30	2.404643	30	2.471003	30	2.473592						
tert-Amyl alcohol	500	1.417533E-02	750	1.498651E-02	1000	~~1.659432E-02~~						
tert-Amyl ethyl ether	100	0.6079154	150	0.6079186	200	0.6102646						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2103002		Instrument:	MS-VOA6	
Matrix:	Water		Calibration Dates:	4/11/12 8:02	4/11/12 11:35

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	6.994986E-02	9.760259	3.805556	0.1389915			15	
Acrolein	2.958907E-02	6.558858	3.687778	0.1191727			15	
Acrylonitrile	6.650252E-02	6.324994	4.651111	0.1299482			15	
Benzene	0.8477555	5.960287	7.69	4.595433E-03			15	
Bromobenzene	0.6640451	8.068661	12.41667	4.586003E-02			15	
Bromochloromethane	0.1092003	7.922384	6.793333	7.286423E-02			15	
Tert-Amyl Methyl Ether	0.5975981	10.46108	7.887778	5.632366E-02			15	
Bromodichloromethane	0.2745119	14.02314	8.675	6.170521E-02			15	
Bromoform	0.2455425	35.57114	11.82375	4.035475E-02		0.9996468	SPCC (0.1)	
Bromomethane	0.1231876	11.20031	2.83875	0.2257167			15	
Bromofluorobenzene	0.8617972	5.565128	12.25333	3.966289E-02			15	
n-Butylbenzene	1.709411	14.74269	13.84429	4.024089E-02			15	
2-Butanone	0.1269904	7.512143	6.263333	8.045088E-02			15	
sec-Butylbenzene	2.504057	10.83736	13.30667	3.681229E-02			15	
tert-Butylbenzene	1.836337	10.34019	13.07333	3.633067E-02			15	
Carbon disulfide	0.4769529	9.933567	4.806667	0.1023751			15	
Carbon tetrachloride	0.1984718	18.05246	7.6575	6.160273E-02		0.9995341	0.99	
Chlorobenzene	1.393185	6.530574	11.1	1.265792E-02			SPCC (0.3)	
Chloroethane	0.1188632	10.33368	2.976667	0.1666754			15	
Chloroform	0.3803609	4.815172	6.767778	6.624693E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1403847	12.63735	9.027778	4.593819E-02			15	
Chloromethane	0.2442292	6.277699	2.242222	0.1967355			SPCC (0.1)	
1-Chlorohexane	0.7129177	7.500097	11.06667	4.357124E-02			15	
2-Chlorotoluene	1.959761	7.199469	12.63778	3.486464E-02			15	
4-Chlorotoluene	2.232345	8.197108	12.70111	2.343391E-02			15	
Cyclohexane	0.3661122	7.767236	7.592222	5.609712E-02			15	
Dibromochloromethane	0.4230065	23.78455	10.33375	5.160868E-02		0.9997893	0.99	
1,2-Dibromo-3-chloropropane	0.1056791	28.11096	14.44625	3.134864E-02		0.9998424	0.99	
1,2-Dibromoethane (EDB)	0.5144467	11.80094	10.54667	4.820354E-02			15	
Dibromomethane	0.147622	7.805408	8.608889	4.086669E-02			15	
1,2-Dichlorobenzene	1.138044	8.768626	13.80333	3.426783E-02			15	
1,3-Dichlorobenzene	1.189245	7.711487	13.39667	3.444029E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2103002	Instrument:	MS-VOA6	
Matrix:	Water	Calibration Dates:	4/11/12 8:02	4/11/12 11:35

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.211038	5.756634	13.48667	0.0333989			15	
Dichlorodifluoromethane	0.178282	17.30934	2.02375	0.2555437		0.999632	0.99	
1,1-Dichloroethane	0.407376	9.543699	5.805556	9.195723E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3181179	6.977071	7.526667	6.812434E-02			15	
1,1-Dichloroethene	0.1552267	8.074123	4.281111	7.656592E-02			CCC (20)	
cis-1,2-Dichloroethene	0.2264114	7.286657	6.515556	8.087151E-02			15	
trans-1,2-Dichloroethene	0.2138245	8.533539	5.431111	6.012985E-02			15	
1,2-Dichloroethene (total)	0.2201179	7.862036	6.515556	8.087151E-02			15	
1,2-Dichloropropane	0.2319529	8.247301	8.497778	0.0509735			CCC (20)	
1,3-Dichloropropane	0.8423859	8.559466	10.08111	3.504917E-02			15	
2,2-Dichloropropane	0.2792657	8.563166	6.616667	7.434889E-02			15	
1,1-Dichloropropene	0.2962451	6.163696	7.544445	7.054186E-02			15	
cis-1,3-Dichloropropene	0.3294273	11.53319	9.242222	4.576608E-02			15	
trans-1,3-Dichloropropene	0.7961298	12.5255	9.713333	5.481526E-02			15	
Diisopropyl Ether	0.8796448	8.170869	6.185556	8.570515E-02			15	
Ethylbenzene	2.392396	8.005433	11.24667	4.386242E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6855541	8.559056	6.644444	7.954208E-02			15	
Ethyl Methacrylate	0.6964661	13.53083	9.901111	0.0370684			15	
Hexachlorobutadiene	0.3116392	10.20275	15.81	0.0105103			15	
2-Hexanone	0.4299377	10.49825	10.01667	4.706534E-02			15	
Iodomethane	0.1841845	36.21537	4.4725	0.1030921		0.9997446	0.99	
Isopropylbenzene	1.969455	9.074438	12.14444	0.0459012			15	
p-Isopropyltoluene	1.951671	11.75514	13.44444	4.056915E-02			15	
Methylene chloride	0.1903896	14.54957	4.765556	0.1099143			15	
Methyl Acetate	0.1492733	10.57722	4.641111	7.030758E-02			15	
Methylcyclohexane	0.2886784	7.699084	8.824444	5.903328E-02			15	
Naphthalene	1.155074	28.51228	15.68	9.46855E-03		0.999884	0.99	
Methyl Methacrylate	0.2244159	11.40939	8.631111	3.106218E-02			15	
4-Methyl-2-pentanone	0.2373278	9.7385	9.172222	4.454719E-02			15	
Methyl t-Butyl Ether	0.5410574	9.002889	5.438889	6.275723E-02			15	
n-Propylbenzene	3.143472	9.351999	12.55111	2.454381E-02			15	
Styrene	1.507136	11.05698	11.71889	3.660697E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2103002		Instrument:	MS-VOA6	
Matrix:	Water		Calibration Dates:	4/11/12 8:02	4/11/12 11:35

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.7658651	11.83161	12.07111	2.401893E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.3867674	18.8249	11.1425	0.0437515		0.9997828	0.99	
tert-Butyl alcohol	1.503892E-02	13.14564	4.445555	0.117591			15	
Tetrachloroethene	0.5078673	8.063632	10.44444	5.201232E-02			15	
Toluene	1.248777	4.922694	9.713333	5.481526E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.5945059	17.63757	15.9675	2.957116E-02		0.9999049	0.99	
1,2,4-Trichlorobenzene	0.6656642	17.71014	15.525	3.234441E-02		0.9998534	0.99	
1,1,2-Trichloroethane	0.4119773	9.262904	9.867778	4.848003E-02			15	
1,1,1-Trichloroethane	0.2763164	11.4655	7.32	1.611891E-02			15	
Tetrahydrofuran	0.0253711	13.14208	6.98	1.859628E-02			15	
Trichloroethene	0.21676	7.252701	8.447778	5.039655E-02			15	
Trichlorofluoromethane	0.2724406	11.50492	3.481111	9.624449E-02			15	
1,2,3-Trichloropropane	0.1631372	11.09186	12.19333	3.802018E-02			15	
1,3,5-Trimethylbenzene	2.05721	10.58203	12.73333	3.611926E-02			15	
1,2,4-Trimethylbenzene	2.038787	13.2601	13.10444	4.090388E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1589233	10.06679	4.357778	0.1018612			15	
Vinyl chloride	0.1664836	6.739344	2.39	0.2091183			CCC (20)	
m,p-Xylene	1.803643	6.628356	11.36	4.368241E-02			15	
o-Xylene	1.879276	7.792029	11.75	0			15	
Vinyl acetate	0.4824391	20.39056	5.8875	7.615218E-02		0.9999006	0.99	
Xylenes (total)	1.828854	6.971874	11.75	0			15	
Dibromofluoromethane	0.2583878	3.612605	6.94	7.246183E-02			15	
1,2-Dichloroethane-d4	6.199539E-02	3.342461	7.434444	7.116685E-02			15	
Toluene-d8	2.282463	6.422069	9.637778	4.190916E-02			15	
tert-Amyl alcohol	1.236136E-02	16.86452	7.1475	0.0651689		0.9999836	0.99	
tert-Amyl ethyl ether	0.5607338	8.839652	8.766667	5.834161E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0411ICV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10305	Injection Date:	04/11/12
Lab Sample ID:	2D10305-ICV1	Injection Time:	12:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	92.55	6.994986E-02	6.473713E-02		-7.5	20
Benzene	A	50.00	48.08	0.8477555	0.8151614		-3.8	20
Bromobenzene	A	50.00	48.62	0.6640451	0.6457077		-2.8	20
Bromochloromethane	A	50.00	48.43	0.1092003	0.1057677		-3.1	20
Bromodichloromethane	A	50.00	46.76	0.2745119	0.2567401		-6.5	20
Bromoform	Q	50.00	48.07	0.2455425	0.291472	0.1	-3.9	20
Bromomethane	A	50.00	55.41	0.1231876	0.1365136		10.8	20
n-Butylbenzene	A	50.00	54.47	1.709411	1.86233		8.9	20
2-Butanone	A	100.0	98.92	0.1269904	0.125625		-1.1	20
sec-Butylbenzene	A	50.00	49.28	2.504057	2.467962		-1.4	20
tert-Butylbenzene	A	50.00	49.23	1.836337	1.807884		-1.5	20
Carbon disulfide	A	50.00	41.71	0.4769529	0.3978444		-16.6	20
Carbon tetrachloride	Q	50.00	46.23	0.1984718	0.2061681		-7.5	20
Chlorobenzene	A	50.00	46.42	1.393185	1.293297	0.3	-7.2	20
Chloroethane	A	50.00	53.19	0.1188632	0.1264448		6.4	20
Chloroform	A	50.00	46.34	0.3803609	0.3524997		-7.3	20
Chloromethane	A	50.00	49.05	0.2442292	0.2396101	0.1	-1.9	20
2-Chlorotoluene	A	50.00	48.12	1.959761	1.885956		-3.8	20
4-Chlorotoluene	A	50.00	47.64	2.232345	2.127005		-4.7	20
Dibromochloromethane	Q	50.00	47.25	0.4230065	0.4563326		-5.5	20
1,2-Dibromo-3-chloropropane	Q	50.00	47.78	0.1056791	0.1213072		-4.4	20
1,2-Dibromoethane (EDB)	A	50.00	49.22	0.5144467	0.5063769		-1.6	20
Dibromomethane	A	50.00	47.26	0.147622	0.1395195		-5.5	20
1,2-Dichlorobenzene	A	50.00	48.11	1.138044	1.094931		-3.8	20
1,3-Dichlorobenzene	A	50.00	47.16	1.189245	1.121681		-5.7	20
1,4-Dichlorobenzene	A	50.00	47.57	1.211038	1.152168		-4.9	20
Dichlorodifluoromethane	Q	50.00	41.42	0.178282	0.167343		-17.2	20
1,1-Dichloroethane	A	50.00	48.13	0.407376	0.3921642	0.1	-3.7	20
1,2-Dichloroethane	A	50.00	47.57	0.3181179	0.3026354		-4.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0411ICV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10305	Injection Date:	04/11/12
Lab Sample ID:	2D10305-ICV1	Injection Time:	12:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	50.00	45.10	0.1552267	0.14001		-9.8	20
cis-1,2-Dichloroethene	A	50.00	47.64	0.2264114	0.2157276		-4.7	20
trans-1,2-Dichloroethene	A	50.00	49.17	0.2138245	0.2102761		-1.7	20
1,2-Dichloropropane	A	50.00	48.44	0.2319529	0.224724		-3.1	20
1,3-Dichloropropane	A	50.00	49.32	0.8423859	0.8308669		-1.4	20
2,2-Dichloropropane	A	50.00	46.52	0.2792657	0.2598145		-7.0	20
1,1-Dichloropropene	A	50.00	49.18	0.2962451	0.2913982		-1.6	20
cis-1,3-Dichloropropene	A	50.00	51.24	0.3294273	0.3375744		2.5	20
trans-1,3-Dichloropropene	A	50.00	45.77	0.7961298	0.7287697		-8.5	20
Ethylbenzene	A	50.00	48.52	2.392396	2.321637		-3.0	20
Hexachlorobutadiene	A	50.00	47.01	0.3116392	0.2929979		-6.0	20
2-Hexanone	A	100.0	100.2	0.4299377	0.4309118		0.2	20
Isopropylbenzene	A	50.00	46.33	1.969455	1.825004		-7.3	20
p-Isopropyltoluene	A	50.00	47.57	1.951671	1.856998		-4.9	20
Methylene chloride	A	50.00	43.49	0.1903896	0.1655958		-13.0	20
Naphthalene	Q	50.00	46.61	1.155074	1.296687		-6.8	20
4-Methyl-2-pentanone	A	100.0	101.0	0.2373278	0.2397786		1.0	20
Methyl t-Butyl Ether	A	50.00	49.89	0.5410574	0.539894		-0.2	20
n-Propylbenzene	A	50.00	48.20	3.143472	3.030247		-3.6	20
Styrene	A	50.00	49.84	1.507136	1.502201		-0.3	20
1,1,2,2-Tetrachloroethane	A	50.00	49.69	0.7658651	0.7610571	0.3	-0.6	20
1,1,1,2-Tetrachloroethane	Q	50.00	47.34	0.3867674	0.4143873		-5.3	20
Tetrachloroethene	A	50.00	47.44	0.5078673	0.4818221		-5.1	20
Toluene	A	50.00	48.63	1.248777	1.214578		-2.7	20
1,2,3-Trichlorobenzene	Q	50.00	47.63	0.5945059	0.6320374		-4.7	20
1,2,4-Trichlorobenzene	Q	50.00	46.93	0.6656642	0.7012946		-6.1	20
1,1,2-Trichloroethane	A	50.00	50.22	0.4119773	0.4137952		0.4	20
1,1,1-Trichloroethane	A	50.00	48.91	0.2763164	0.27031		-2.2	20
Trichloroethene	A	50.00	47.51	0.21676	0.2059832		-5.0	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0411ICV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10305	Injection Date:	04/11/12
Lab Sample ID:	2D10305-ICV1	Injection Time:	12:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	50.00	48.25	0.2724406	0.262879		-3.5	20
1,2,3-Trichloropropane	A	50.00	48.46	0.1631372	0.1581024		-3.1	20
1,3,5-Trimethylbenzene	A	50.00	50.58	2.05721	2.081129		1.2	20
1,2,4-Trimethylbenzene	A	50.00	50.58	2.038787	2.062345		1.2	20
Vinyl chloride	A	50.00	58.05	0.1664836	0.1932783		16.1	20
Xylenes (total)	A	150.0	145.2	1.828854	1.770579		-3.2	20
Bromofluorobenzene	A	30.00	31.16	0.8617972	0.8950593		3.9	20
Dibromofluoromethane	A	30.00	30.96	0.2583878	0.2666688		3.2	20
1,2-Dichloroethane-d4	A	30.00	30.80	6.199539E-02	6.365514E-02		2.7	20
Toluene-d8	A	30.00	31.31	2.282463	2.381914		4.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0412CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10406	Injection Date:	04/12/12
Lab Sample ID:	2D10406-CCV1	Injection Time:	07:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	195.0	6.994986E-02	6.819756E-02		-2.5	20
Benzene	A	100.0	101.7	0.8477555	0.8623205		1.7	20
Bromobenzene	A	100.0	102.7	0.6640451	0.6821924		2.7	20
Bromochloromethane	A	100.0	103.5	0.1092003	0.1129775		3.5	20
Bromodichloromethane	A	100.0	107.0	0.2745119	0.2935894		6.9	20
Bromoform	Q	100.0	99.69	0.2455425	0.3450983	0.1	-0.3	20
Bromomethane	A	100.0	109.2	0.1231876	0.134563		9.2	20
n-Butylbenzene	A	100.0	118.4	1.709411	2.024127		18.4	20
2-Butanone	A	200.0	217.8	0.1269904	0.1382894		8.9	20
sec-Butylbenzene	A	100.0	105.7	2.504057	2.646309		5.7	20
tert-Butylbenzene	A	100.0	107.1	1.836337	1.966826		7.1	20
Carbon disulfide	A	100.0	105.8	0.4769529	0.5045528		5.8	20
Carbon tetrachloride	Q	100.0	97.61	0.1984718	0.2330169		-2.4	20
Chlorobenzene	A	100.0	102.0	1.393185	1.421076	0.3	2.0	20
Chloroethane	A	100.0	107.3	0.1188632	0.1275027		7.3	20
Chloroform	A	100.0	99.48	0.3803609	0.3783859		-0.5	20
Chloromethane	A	100.0	105.6	0.2442292	0.2577901	0.1	5.6	20
2-Chlorotoluene	A	100.0	102.2	1.959761	2.002997		2.2	20
4-Chlorotoluene	A	100.0	101.7	2.232345	2.270855		1.7	20
Dibromochloromethane	Q	100.0	98.38	0.4230065	0.5259386		-1.6	20
1,2-Dibromo-3-chloropropane	Q	100.0	96.22	0.1056791	0.1313703		-3.8	20
1,2-Dibromoethane (EDB)	A	100.0	104.7	0.5144467	0.5387152		4.7	20
Dibromomethane	A	100.0	100.6	0.147622	0.1485451		0.6	20
1,2-Dichlorobenzene	A	100.0	101.7	1.138044	1.157544		1.7	20
1,3-Dichlorobenzene	A	100.0	101.7	1.189245	1.209608		1.7	20
1,4-Dichlorobenzene	A	100.0	99.56	1.211038	1.205718		-0.4	20
Dichlorodifluoromethane	Q	100.0	109.1	0.178282	0.2307608		9.1	20
1,1-Dichloroethane	A	100.0	104.4	0.407376	0.4254274	0.1	4.4	20
1,2-Dichloroethane	A	100.0	101.6	0.3181179	0.3232138		1.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0412CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10406	Injection Date:	04/12/12
Lab Sample ID:	2D10406-CCV1	Injection Time:	07:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	100.7	0.1552267	0.1562694		0.7	20
cis-1,2-Dichloroethene	A	100.0	102.8	0.2264114	0.2327729		2.8	20
trans-1,2-Dichloroethene	A	100.0	101.5	0.2138245	0.2169456		1.5	20
1,2-Dichloropropane	A	100.0	103.9	0.2319529	0.2410789		3.9	20
1,3-Dichloropropane	A	100.0	101.8	0.8423859	0.857316		1.8	20
2,2-Dichloropropane	A	100.0	110.8	0.2792657	0.3092963		10.8	20
1,1-Dichloropropene	A	100.0	102.2	0.2962451	0.302715		2.2	20
cis-1,3-Dichloropropene	A	100.0	107.3	0.3294273	0.3535796		7.3	20
trans-1,3-Dichloropropene	A	100.0	109.2	0.7961298	0.8691928		9.2	20
Ethylbenzene	A	100.0	103.1	2.392396	2.466381		3.1	20
Hexachlorobutadiene	A	100.0	102.3	0.3116392	0.3188928		2.3	20
2-Hexanone	A	200.0	228.2	0.4299377	0.490571		14.1	20
Isopropylbenzene	A	100.0	105.6	1.969455	2.080177		5.6	20
p-Isopropyltoluene	A	100.0	108.5	1.951671	2.117435		8.5	20
Methylene chloride	A	100.0	90.53	0.1903896	0.1723679		-9.5	20
Naphthalene	Q	100.0	93.50	1.155074	1.397458		-6.5	20
4-Methyl-2-pentanone	A	200.0	230.6	0.2373278	0.2735823		15.3	20
Methyl t-Butyl Ether	A	100.0	102.4	0.5410574	0.5538674		2.4	20
n-Propylbenzene	A	100.0	105.2	3.143472	3.307899		5.2	20
Styrene	A	100.0	105.4	1.507136	1.587964		5.4	20
1,1,2,2-Tetrachloroethane	A	100.0	104.1	0.7658651	0.7969515	0.3	4.1	20
1,1,1,2-Tetrachloroethane	Q	100.0	98.17	0.3867674	0.4591728		-1.8	20
Tetrachloroethene	A	100.0	103.1	0.5078673	0.5238329		3.1	20
Toluene	A	100.0	101.0	1.248777	1.260712		1.0	20
1,2,3-Trichlorobenzene	Q	100.0	96.55	0.5945059	0.6768961		-3.4	20
1,2,4-Trichlorobenzene	Q	100.0	97.31	0.6656642	0.7685126		-2.7	20
1,1,2-Trichloroethane	A	100.0	104.0	0.4119773	0.4284169		4.0	20
1,1,1-Trichloroethane	A	100.0	107.1	0.2763164	0.2958884		7.1	20
Trichloroethene	A	100.0	103.5	0.21676	0.2242895		3.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0412CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10406	Injection Date:	04/12/12
Lab Sample ID:	2D10406-CCV1	Injection Time:	07:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	107.2	0.2724406	0.2921418		7.2	20
1,2,3-Trichloropropane	A	100.0	102.4	0.1631372	0.167073		2.4	20
1,3,5-Trimethylbenzene	A	100.0	104.2	2.05721	2.144184		4.2	20
1,2,4-Trimethylbenzene	A	100.0	107.8	2.038787	2.198544		7.8	20
Vinyl chloride	A	100.0	105.2	0.1664836	0.1751705		5.2	20
Xylenes (total)	A	300.0	305.6	1.828854	1.863205		1.9	20
Bromofluorobenzene	A	30.00	32.19	0.8617972	0.9248198		7.3	20
Dibromofluoromethane	A	30.00	31.37	0.2583878	0.2701545		4.6	20
1,2-Dichloroethane-d4	A	30.00	30.63	6.199539E-02	6.329948E-02		2.1	20
Toluene-d8	A	30.00	31.91	2.282463	2.427791		6.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0413CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10704	Injection Date:	04/13/12
Lab Sample ID:	2D10704-CCV1	Injection Time:	07:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	200.0	6.994986E-02	0.0699582		0.01	20
Benzene	A	100.0	101.3	0.8477555	0.8585887		1.3	20
Bromobenzene	A	100.0	102.9	0.6640451	0.6833862		2.9	20
Bromochloromethane	A	100.0	104.5	0.1092003	0.1140678		4.5	20
Bromodichloromethane	A	100.0	108.8	0.2745119	0.2985442		8.8	20
Bromoform	Q	100.0	99.54	0.2455425	0.3444663	0.1	-0.5	20
Bromomethane	A	100.0	79.50	0.1231876	9.793127E-02		-20.5	20 *
n-Butylbenzene	A	100.0	120.8	1.709411	2.064701		20.8	20 *
2-Butanone	A	200.0	220.5	0.1269904	0.1400182		10.3	20
sec-Butylbenzene	A	100.0	106.4	2.504057	2.665649		6.5	20
tert-Butylbenzene	A	100.0	105.8	1.836337	1.943418		5.8	20
Carbon disulfide	A	100.0	101.9	0.4769529	0.486116		1.9	20
Carbon tetrachloride	Q	100.0	99.16	0.1984718	0.2371553		-0.8	20
Chlorobenzene	A	100.0	101.0	1.393185	1.407864	0.3	1.1	20
Chloroethane	A	100.0	103.0	0.1188632	0.1223923		3.0	20
Chloroform	A	100.0	101.5	0.3803609	0.3861209		1.5	20
Chloromethane	A	100.0	88.71	0.2442292	0.216649	0.1	-11.3	20
2-Chlorotoluene	A	100.0	103.2	1.959761	2.021672		3.2	20
4-Chlorotoluene	A	100.0	102.9	2.232345	2.297937		2.9	20
Dibromochloromethane	Q	100.0	98.71	0.4230065	0.5280147		-1.3	20
1,2-Dibromo-3-chloropropane	Q	100.0	96.68	0.1056791	0.1320781		-3.3	20
1,2-Dibromoethane (EDB)	A	100.0	104.6	0.5144467	0.538234		4.6	20
Dibromomethane	A	100.0	102.8	0.147622	0.1516898		2.8	20
1,2-Dichlorobenzene	A	100.0	101.7	1.138044	1.15746		1.7	20
1,3-Dichlorobenzene	A	100.0	101.6	1.189245	1.208641		1.6	20
1,4-Dichlorobenzene	A	100.0	99.83	1.211038	1.209005		-0.2	20
Dichlorodifluoromethane	Q	100.0	111.8	0.178282	0.2367337		11.8	20
1,1-Dichloroethane	A	100.0	103.4	0.407376	0.4211105	0.1	3.4	20
1,2-Dichloroethane	A	100.0	104.9	0.3181179	0.3336919		4.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0413CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10704	Injection Date:	04/13/12
Lab Sample ID:	2D10704-CCV1	Injection Time:	07:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	99.39	0.1552267	0.1542751		-0.6	20
cis-1,2-Dichloroethene	A	100.0	103.0	0.2264114	0.2331512		3.0	20
trans-1,2-Dichloroethene	A	100.0	102.0	0.2138245	0.2181135		2.0	20
1,2-Dichloropropane	A	100.0	102.6	0.2319529	0.2381024		2.7	20
1,3-Dichloropropane	A	100.0	101.8	0.8423859	0.8579409		1.8	20
2,2-Dichloropropane	A	100.0	112.9	0.2792657	0.3151787		12.9	20
1,1-Dichloropropene	A	100.0	102.8	0.2962451	0.3044116		2.8	20
cis-1,3-Dichloropropene	A	100.0	107.5	0.3294273	0.3540752		7.5	20
trans-1,3-Dichloropropene	A	100.0	107.5	0.7961298	0.8558126		7.5	20
Ethylbenzene	A	100.0	102.6	2.392396	2.455792		2.6	20
Hexachlorobutadiene	A	100.0	95.14	0.3116392	0.2965025		-4.9	20
2-Hexanone	A	200.0	231.0	0.4299377	0.4964782		15.5	20
Isopropylbenzene	A	100.0	103.4	1.969455	2.03733		3.4	20
p-Isopropyltoluene	A	100.0	109.0	1.951671	2.127582		9.0	20
Methylene chloride	A	100.0	88.25	0.1903896	0.1680257		-11.7	20
Naphthalene	Q	100.0	104.2	1.155074	1.581117		4.2	20
4-Methyl-2-pentanone	A	200.0	234.7	0.2373278	0.2784894		17.3	20
Methyl t-Butyl Ether	A	100.0	105.3	0.5410574	0.5695919		5.3	20
n-Propylbenzene	A	100.0	105.4	3.143472	3.314412		5.4	20
Styrene	A	100.0	104.6	1.507136	1.576986		4.6	20
1,1,2,2-Tetrachloroethane	A	100.0	105.0	0.7658651	0.8043606	0.3	5.0	20
1,1,1,2-Tetrachloroethane	Q	100.0	97.36	0.3867674	0.4549468		-2.6	20
Tetrachloroethene	A	100.0	104.0	0.5078673	0.5282678		4.0	20
Toluene	A	100.0	98.11	1.248777	1.225146		-1.9	20
1,2,3-Trichlorobenzene	Q	100.0	97.05	0.5945059	0.6807664		-3.0	20
1,2,4-Trichlorobenzene	Q	100.0	100.2	0.6656642	0.7934931		0.2	20
1,1,2-Trichloroethane	A	100.0	103.2	0.4119773	0.4253352		3.2	20
1,1,1-Trichloroethane	A	100.0	109.3	0.2763164	0.3019904		9.3	20
Trichloroethene	A	100.0	103.2	0.21676	0.223784		3.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0413CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10704	Injection Date:	04/13/12
Lab Sample ID:	2D10704-CCV1	Injection Time:	07:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	110.9	0.2724406	0.302192		10.9	20
1,2,3-Trichloropropane	A	100.0	105.9	0.1631372	0.1727203		5.9	20
1,3,5-Trimethylbenzene	A	100.0	106.1	2.05721	2.182872		6.1	20
1,2,4-Trimethylbenzene	A	100.0	108.5	2.038787	2.21226		8.5	20
Vinyl chloride	A	100.0	102.2	0.1664836	0.1701657		2.2	20
Xylenes (total)	A	300.0	304.7	1.828854	1.857783		1.6	20
Bromofluorobenzene	A	30.00	31.82	0.8617972	0.9139922		6.1	20
Dibromofluoromethane	A	30.00	31.46	0.2583878	0.2709363		4.9	20
1,2-Dichloroethane-d4	A	30.00	31.02	6.199539E-02	6.410155E-02		3.4	20
Toluene-d8	A	30.00	31.59	2.282463	2.403432		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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0416CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10810	Injection Date:	04/16/12
Lab Sample ID:	2D10810-CCV1	Injection Time:	07:08

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	217.8	6.994986E-02	7.615627E-02		8.9	20	
Benzene	A	100.0	99.77	0.8477555	0.8458262		-0.2	20	
Bromobenzene	A	100.0	101.1	0.6640451	0.6715646		1.1	20	
Bromochloromethane	A	100.0	103.6	0.1092003	0.1131466		3.6	20	
Bromodichloromethane	A	100.0	105.1	0.2745119	0.2885984		5.1	20	
Bromoform	Q	100.0	101.1	0.2455425	0.3509887	0.1	1.1	20	
Bromomethane	A	100.0	76.77	0.1231876	9.457027E-02		-23.2	20	*
n-Butylbenzene	A	100.0	113.6	1.709411	1.942294		13.6	20	
2-Butanone	A	200.0	230.1	0.1269904	0.1460927		15.0	20	
sec-Butylbenzene	A	100.0	100.8	2.504057	2.523717		0.8	20	
tert-Butylbenzene	A	100.0	102.9	1.836337	1.890317		2.9	20	
Carbon disulfide	A	100.0	109.2	0.4769529	0.5208072		9.2	20	
Carbon tetrachloride	Q	100.0	103.1	0.1984718	0.2477218		3.1	20	
Chlorobenzene	A	100.0	98.67	1.393185	1.374678	0.3	-1.3	20	
Chloroethane	A	100.0	99.70	0.1188632	0.1185085		-0.3	20	
Chloroform	A	100.0	100.6	0.3803609	0.3824641		0.6	20	
Chloromethane	A	100.0	78.41	0.2442292	0.1915028	0.1	-21.6	20	*
2-Chlorotoluene	A	100.0	97.07	1.959761	1.902408		-2.9	20	
4-Chlorotoluene	A	100.0	98.41	2.232345	2.196752		-1.6	20	
Dibromochloromethane	Q	100.0	98.51	0.4230065	0.5267799		-1.5	20	
1,2-Dibromo-3-chloropropane	Q	100.0	92.09	0.1056791	0.1250178		-7.9	20	
1,2-Dibromoethane (EDB)	A	100.0	106.4	0.5144467	0.5476077		6.4	20	
Dibromomethane	A	100.0	99.98	0.147622	0.147591		-0.02	20	
1,2-Dichlorobenzene	A	100.0	97.75	1.138044	1.112451		-2.2	20	
1,3-Dichlorobenzene	A	100.0	98.04	1.189245	1.165958		-2.0	20	
1,4-Dichlorobenzene	A	100.0	98.61	1.211038	1.194181		-1.4	20	
Dichlorodifluoromethane	Q	100.0	105.3	0.178282	0.2222452		5.3	20	
1,1-Dichloroethane	A	100.0	101.8	0.407376	0.4147553	0.1	1.8	20	
1,2-Dichloroethane	A	100.0	106.0	0.3181179	0.3373376		6.0	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0416CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10810	Injection Date:	04/16/12
Lab Sample ID:	2D10810-CCV1	Injection Time:	07:08

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	91.71	0.1552267	0.1423527		-8.3	20
cis-1,2-Dichloroethene	A	100.0	100.3	0.2264114	0.2270826		0.3	20
trans-1,2-Dichloroethene	A	100.0	100.1	0.2138245	0.2140151		0.09	20
1,2-Dichloropropane	A	100.0	98.33	0.2319529	0.2280905		-1.7	20
1,3-Dichloropropane	A	100.0	101.5	0.8423859	0.8546639		1.5	20
2,2-Dichloropropane	A	100.0	115.4	0.2792657	0.3221722		15.4	20
1,1-Dichloropropene	A	100.0	101.1	0.2962451	0.2994773		1.1	20
cis-1,3-Dichloropropene	A	100.0	110.3	0.3294273	0.3633944		10.3	20
trans-1,3-Dichloropropene	A	100.0	101.1	0.7961298	0.8049303		1.1	20
Ethylbenzene	A	100.0	103.0	2.392396	2.462901		2.9	20
Hexachlorobutadiene	A	100.0	84.98	0.3116392	0.2648303		-15.0	20
2-Hexanone	A	200.0	241.2	0.4299377	0.518408		20.6	20 *
Isopropylbenzene	A	100.0	98.34	1.969455	1.936821		-1.7	20
p-Isopropyltoluene	A	100.0	101.5	1.951671	1.980781		1.5	20
Methylene chloride	A	100.0	86.46	0.1903896	0.1646116		-13.5	20
Naphthalene	Q	100.0	89.33	1.155074	1.327348		-10.7	20
4-Methyl-2-pentanone	A	200.0	242.4	0.2373278	0.2876058		21.2	20 *
Methyl t-Butyl Ether	A	100.0	107.7	0.5410574	0.5829314		7.7	20
n-Propylbenzene	A	100.0	99.23	3.143472	3.119311		-0.8	20
Styrene	A	100.0	102.7	1.507136	1.548453		2.7	20
1,1,2,2-Tetrachloroethane	A	100.0	97.47	0.7658651	0.7465218	0.3	-2.5	20
1,1,1,2-Tetrachloroethane	Q	100.0	100.1	0.3867674	0.4693521		0.1	20
Tetrachloroethene	A	100.0	104.2	0.5078673	0.5292925		4.2	20
Toluene	A	100.0	98.64	1.248777	1.231785		-1.4	20
1,2,3-Trichlorobenzene	Q	100.0	85.85	0.5945059	0.5950309		-14.2	20
1,2,4-Trichlorobenzene	Q	100.0	92.14	0.6656642	0.7238283		-7.9	20
1,1,2-Trichloroethane	A	100.0	102.2	0.4119773	0.4208464		2.2	20
1,1,1-Trichloroethane	A	100.0	113.6	0.2763164	0.3140361		13.7	20
Trichloroethene	A	100.0	102.6	0.21676	0.2224992		2.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0416CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D10810	Injection Date:	04/16/12
Lab Sample ID:	2D10810-CCV1	Injection Time:	07:08

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	113.9	0.2724406	0.3104141		13.9	20
1,2,3-Trichloropropane	A	100.0	105.4	0.1631372	0.171885		5.4	20
1,3,5-Trimethylbenzene	A	100.0	106.6	2.05721	2.192909		6.6	20
1,2,4-Trimethylbenzene	A	100.0	108.4	2.038787	2.210261		8.4	20
Vinyl chloride	A	100.0	100.7	0.1664836	0.1676246		0.7	20
Xylenes (total)	A	300.0	305.8	1.828854	1.864047		1.9	20
Bromofluorobenzene	A	30.00	32.48	0.8617972	0.9330393		8.3	20
Dibromofluoromethane	A	30.00	32.33	0.2583878	0.2784479		7.8	20
1,2-Dichloroethane-d4	A	30.00	30.76	6.199539E-02	6.357092E-02		2.5	20
Toluene-d8	A	30.00	31.87	2.282463	2.424548		6.2	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_049

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

Matrix: Laboratory ID: 2D12001-BLK1 File ID: 0412BL1.D

Sampled: Prepared: Analyzed: 04/12/12 09:43

Solids: Preparation: 5030B Dilution:

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D12001-BLK1 File ID: 0412BL1.D

Sampled: Prepared: Analyzed: 04/12/12 09:43

Solids: Preparation: 5030B Dilution:

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.71	102	75 - 120	
Dibromofluoromethane	30.00	31.10	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.56	102	70 - 120	
Toluene-d8	30.00	30.85	103	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D12001-BS1 | File ID: 0412LCS1.D

Sampled: | Prepared: | Analyzed: 04/12/12 07:56

Solids: | Preparation: 5030B | Dilution:

Batch: 2D12001 | Sequence: 2D10406 | Calibration: 2103002 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	95.9	2.50	5.00	10.0	
71-43-2	Benzene	50.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.8	0.250	0.500	1.00	
75-25-2	Bromoform	50.5	0.250	0.500	1.00	
74-83-9	Bromomethane	56.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	58.4	0.250	0.500	1.00	
78-93-3	2-Butanone	106	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	43.4	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	50.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.3	0.250	0.500	1.00	
75-00-3	Chloroethane	55.1	0.500	1.00	2.00	
67-66-3	Chloroform	49.0	0.250	0.500	1.00	
74-87-3	Chloromethane	50.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.3	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.0	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	50.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	51.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	50.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	51.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	50.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	54.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.8	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	51.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.5	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D12001-BS1 File ID: 0412LCS1.D

Sampled: Prepared: Analyzed: 04/12/12 07:56

Solids: Preparation: 5030B Dilution:

Batch: 2D12001 Sequence: 2D10406 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	110	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	51.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.7	0.500	1.00	2.00	
91-20-3	Naphthalene	47.7	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	116	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.5	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.4	0.250	0.500	1.00	
100-42-5	Styrene	51.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	51.1	0.250	0.500	1.00	
108-88-3	Toluene	50.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.8	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	50.6	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	51.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	48.8	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	53.7	0.250	0.500	1.00	
75-01-4	Vinyl chloride	60.2	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	152	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.99	103	75 - 120	
Dibromofluoromethane	30.00	31.32	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	31.04	103	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13002-BLK1 File ID: 0413BL1.D

Sampled: Prepared: Analyzed: 04/13/12 09:00

Solids: Preparation: 5030B Dilution:

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	X, U
78-93-3	2-Butanone		2.50	5.00	10.0	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	0.280	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13002-BLK1 File ID: 0413BL1.D

Sampled: Prepared: Analyzed: 04/13/12 09:00

Solids: Preparation: 5030B Dilution:

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.32	101	75 - 120	
Dibromofluoromethane	30.00	31.21	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.20	101	70 - 120	
Toluene-d8	30.00	30.61	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13002-BS1 File ID: 0413LCS1.D

Sampled: Prepared: Analyzed: 04/13/12 07:40

Solids: Preparation: 5030B Dilution:

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	106	2.50	5.00	10.0	
71-43-2	Benzene	49.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	49.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	50.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.6	0.250	0.500	1.00	
75-25-2	Bromoform	49.8	0.250	0.500	1.00	
74-83-9	Bromomethane	39.8	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	58.8	0.250	0.500	1.00	X
78-93-3	2-Butanone	116	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	41.7	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.8	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.0	0.250	0.500	1.00	
75-00-3	Chloroethane	52.8	0.500	1.00	2.00	
67-66-3	Chloroform	48.8	0.250	0.500	1.00	
74-87-3	Chloromethane	42.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	48.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	47.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	48.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	48.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.2	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	50.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	46.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	54.1	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	53.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	47.4	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.2	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	49.0	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13002-BS1 File ID: 0413LCS1.D

Sampled: Prepared: Analyzed: 04/13/12 07:40

Solids: Preparation: 5030B Dilution:

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	120	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.5	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	43.9	0.500	1.00	2.00	
91-20-3	Naphthalene	55.4	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	125	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	52.2	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.4	0.250	0.500	1.00	
100-42-5	Styrene	49.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.8	0.250	0.500	1.00	
108-88-3	Toluene	49.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	51.9	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.2	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.3	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.7	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	58.3	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	148	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.25	104	75 - 120	
Dibromofluoromethane	30.00	31.61	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.93	103	70 - 120	
Toluene-d8	30.00	30.67	102	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13002-BSD1 File ID: 0413LCD1.D

Sampled: Prepared: Analyzed: 04/13/12 18:22

Solids: Preparation: 5030B Dilution:

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

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	52.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	50.8	0.250	0.500	1.00	
75-25-2	Bromoform	47.3	0.250	0.500	1.00	
74-83-9	Bromomethane	29.7	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	58.2	0.250	0.500	1.00	X
78-93-3	2-Butanone	110	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	52.0	0.250	0.500	1.00	
75-15-0	Carbon disulfide	42.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	48.8	0.250	0.500	1.00	
75-00-3	Chloroethane	55.7	0.500	1.00	2.00	
67-66-3	Chloroform	51.6	0.250	0.500	1.00	
74-87-3	Chloromethane	42.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.0	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	50.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.7	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.0	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.9	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	52.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.5	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	47.1	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	42.4	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13002-BSD1 File ID: 0413LCD1.D

Sampled: Prepared: Analyzed: 04/13/12 18:22

Solids: Preparation: 5030B Dilution:

Batch: 2D13002 Sequence: 2D10704 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	114	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	48.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.4	0.500	1.00	2.00	
91-20-3	Naphthalene	50.4	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	120	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.5	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.2	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	51.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.4	0.250	0.500	1.00	
108-88-3	Toluene	51.1	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.0	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	48.7	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	51.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	54.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.4	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	56.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	60.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	153	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.16	104	75 - 120	
Dibromofluoromethane	30.00	31.42	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.28	104	70 - 120	
Toluene-d8	30.00	30.62	102	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D16005-BLK1 File ID: 0416BL1.D

Sampled: Prepared: Analyzed: 04/16/12 09:03

Solids: Preparation: 5030B Dilution:

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	Y, U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.360	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D16005-BLK1 File ID: 0416BL1.D

Sampled: Prepared: Analyzed: 04/16/12 09:03

Solids: Preparation: 5030B Dilution:

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	X, U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	X, U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
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	31.35	104	75 - 120	
Dibromofluoromethane	30.00	32.22	107	85 - 115	
1,2-Dichloroethane-d4	30.00	31.23	104	70 - 120	
Toluene-d8	30.00	30.36	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D16005-BS1 File ID: 0416LCS1.D

Sampled: Prepared: Analyzed: 04/16/12 07:43

Solids: Preparation: 5030B Dilution:

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	97.8	2.50	5.00	10.0	
71-43-2	Benzene	52.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	53.2	0.250	0.500	1.00	
75-25-2	Bromoform	53.4	0.250	0.500	1.00	
74-83-9	Bromomethane	36.4	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	59.9	0.250	0.500	1.00	
78-93-3	2-Butanone	106	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	53.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	55.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	55.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	50.1	0.250	0.500	1.00	
75-00-3	Chloroethane	53.8	0.500	1.00	2.00	
67-66-3	Chloroform	52.6	0.250	0.500	1.00	
74-87-3	Chloromethane	38.9	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	51.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	52.5	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.3	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	52.5	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.4	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	53.5	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	54.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	49.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.1	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	51.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	59.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	56.5	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	51.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.0	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D16005-BS1 File ID: 0416LCS1.D

Sampled: Prepared: Analyzed: 04/16/12 07:43

Solids: Preparation: 5030B Dilution:

Batch: 2D16005 Sequence: 2D10810 Calibration: 2103002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	111	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	50.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	52.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	44.6	0.500	1.00	2.00	
91-20-3	Naphthalene	53.5	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	116	1.25	2.50	5.00	X
1634-04-4	Methyl t-Butyl Ether	55.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	51.8	0.250	0.500	1.00	
100-42-5	Styrene	53.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.4	0.250	0.500	1.00	
108-88-3	Toluene	51.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	52.0	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	52.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	58.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	57.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	52.5	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	56.0	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	57.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	59.4	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	157	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.99	107	75 - 120	
Dibromofluoromethane	30.00	32.08	107	85 - 115	
1,2-Dichloroethane-d4	30.00	30.97	103	70 - 120	
Toluene-d8	30.00	31.10	104	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0500	04/04/12 13:04	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 12:23	7.93	14.00	
GW0501	04/04/12 11:55	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 12:50	8.00	14.00	
GW0502	04/04/12 12:18	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 13:16	8.00	14.00	
GW0503	04/04/12 09:45	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 13:43	8.12	14.00	
GW0504	04/04/12 09:45	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 14:10	8.14	14.00	
GW0520	04/04/12 16:25	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 14:36	7.88	14.00	
GW0521	04/04/12 13:32	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 15:03	8.02	14.00	
GW0522	04/04/12 10:41	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 15:30	8.16	14.00	
GW0523	04/04/12 10:41	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 15:57	8.18	14.00	
GW8188-TB	04/04/12 08:00	04/06/12 08:20	04/12/12 00:00	N/A	14.00	04/12/12 11:03	8.09	14.00	
GW0529	04/09/12 11:29	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 13:01	4.02	14.00	
GW0544	04/10/12 13:31	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 13:28	2.96	14.00	
GW0545	04/10/12 13:31	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 13:55	2.98	14.00	
GW0546	04/10/12 11:16	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 14:21	3.09	14.00	
GW0590	04/09/12 16:39	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 14:48	3.88	14.00	
GW0591	04/09/12 14:26	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 15:15	3.99	14.00	
GW0592	04/09/12 11:55	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 15:42	4.12	14.00	
GW0597	04/10/12 14:20	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 16:08	3.03	14.00	
GW0598	04/10/12 12:04	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 16:35	3.15	14.00	
GW0604	04/09/12 15:34	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 17:02	4.02	14.00	
GW8189-TB	04/09/12 08:00	04/11/12 08:30	04/13/12 00:00	N/A	14.00	04/13/12 10:21	4.06	14.00	
GW0505	04/10/12 16:17	04/12/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 10:24	5.71	14.00	
GW0506	04/11/12 10:19	04/12/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 10:50	4.98	14.00	
GW0510	04/11/12 12:36	04/12/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 11:17	4.90	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0596	04/10/12 16:46	04/12/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 11:44	5.75	14.00	
GW0605	04/11/12 14:16	04/12/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 12:11	4.87	14.00	
GW8190-TB	04/11/12 08:00	04/12/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 09:30	5.02	14.00	
GW0527	04/11/12 15:31	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 12:38	4.84	14.00	
GW0547	04/12/12 15:10	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 13:04	3.87	14.00	
GW0548	04/12/12 12:50	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 13:31	3.99	14.00	
GW0549	04/12/12 10:30	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 13:58	4.10	14.00	
GW0576	04/12/12 15:50	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 14:25	3.90	14.00	
GW0577	04/12/12 10:55	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 14:51	4.12	14.00	
GW0578	04/12/12 10:55	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 15:18	4.14	14.00	
GW0579	04/12/12 13:39	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 15:45	4.05	14.00	
GW8191-TB	04/12/12 08:00	04/13/12 08:20	04/16/12 00:00	N/A	14.00	04/16/12 09:57	4.04	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01	File ID:	0403801.D
Sampled:	04/04/12 13:04	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 15:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	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

GW0500

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01	File ID:	0403801.D
Sampled:	04/04/12 13:04	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 15:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, 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	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	43.46	88.7	50 - 110	
2-Fluorophenol	98.04	33.84	34.5	20 - 110	
Nitrobenzene-d5	49.02	40.61	82.8	40 - 110	
Phenol-d6	98.04	18.57	18.9	0 - 110	
Terphenyl-d14	49.02	50.06	102	50 - 135	
2,4,6-Tribromophenol	98.04	90.68	92.5	40 - 125	

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03	File ID:	0403803.D
Sampled:	04/04/12 11:55	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 16:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	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	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	X, U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	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

GW0501

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03	File ID:	0403803.D
Sampled:	04/04/12 11:55	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 16:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	X, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
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	43.41	92.0	50 - 110	
2-Fluorophenol	94.34	34.65	36.7	20 - 110	
Nitrobenzene-d5	47.17	40.48	85.8	40 - 110	
Phenol-d6	94.34	18.87	20.0	0 - 110	
Terphenyl-d14	47.17	49.20	104	50 - 135	
2,4,6-Tribromophenol	94.34	91.75	97.3	40 - 125	

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05	File ID:	0403805.D
Sampled:	04/04/12 12:18	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 16:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	X, U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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

GW0502

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05	File ID:	0403805.D
Sampled:	04/04/12 12:18	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 16:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	43.69	87.4	50 - 110	
2-Fluorophenol	100.0	36.47	36.5	20 - 110	
Nitrobenzene-d5	50.00	40.75	81.5	40 - 110	
Phenol-d6	100.0	20.90	20.9	0 - 110	
Terphenyl-d14	50.00	53.23	106	50 - 135	
2,4,6-Tribromophenol	100.0	91.61	91.6	40 - 125	

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	0403807.D
Sampled:	04/04/12 09:45	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 17:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	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

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	0403807.D
Sampled:	04/04/12 09:45	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 17:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, 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	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	42.29	86.3	50 - 110	
2-Fluorophenol	98.04	33.28	33.9	20 - 110	
Nitrobenzene-d5	49.02	39.67	80.9	40 - 110	
Phenol-d6	98.04	18.83	19.2	0 - 110	
Terphenyl-d14	49.02	48.91	99.8	50 - 135	
2,4,6-Tribromophenol	98.04	87.02	88.8	40 - 125	

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	0403809.D
Sampled:	04/04/12 09:45	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 17:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	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

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	0403809.D
Sampled:	04/04/12 09:45	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 17:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, 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	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.60	76.7	50 - 110	
2-Fluorophenol	98.04	24.19	24.7	20 - 110	
Nitrobenzene-d5	49.02	37.77	77.0	40 - 110	
Phenol-d6	98.04	12.95	13.2	0 - 110	
Terphenyl-d14	49.02	49.94	102	50 - 135	
2,4,6-Tribromophenol	98.04	89.20	91.0	40 - 125	

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11	File ID:	0403811.D
Sampled:	04/04/12 16:25	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 18:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.19	2.38	4.76	U
208-96-8	Acenaphthylene		1.19	2.38	4.76	U
98-86-2	Acetophenone		1.19	2.38	4.76	U
120-12-7	Anthracene		1.19	2.38	4.76	U
1912-24-9	Atrazine		1.19	2.38	4.76	U
100-52-7	Benzaldehyde		1.19	2.38	4.76	U
92-87-5	Benzidine		11.9	23.8	47.6	X, U
56-55-3	Benzo(a)anthracene		1.19	2.38	4.76	U
50-32-8	Benzo(a)pyrene		1.19	2.38	4.76	U
205-99-2	Benzo(b)fluoranthene		1.19	2.38	4.76	U
191-24-2	Benzo(g,h,i)perylene		1.19	2.38	4.76	U
65-85-0	Benzoic acid		11.9	23.8	47.6	U
207-08-9	Benzo(k)fluoranthene		1.19	2.38	4.76	U
92-52-4	1,1-Biphenyl		1.19	2.38	4.76	U
101-55-3	4-Bromophenyl-phenylether		1.19	2.38	4.76	U
85-68-7	Butylbenzylphthalate		1.19	2.38	4.76	U
105-60-2	Caprolactam		1.19	2.38	4.76	Q, U
86-74-8	Carbazole		1.19	2.38	4.76	U
59-50-7	4-Chloro-3-methylphenol		1.19	2.38	4.76	U
106-47-8	4-Chloroaniline		1.19	2.38	4.76	U
111-91-1	Bis(2-chloroethoxy)methane		1.19	2.38	4.76	U
111-44-4	Bis(2-chloroethyl)ether		1.19	2.38	4.76	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.19	2.38	4.76	U
91-58-7	2-Chloronaphthalene		1.19	2.38	4.76	U
95-57-8	2-Chlorophenol		1.19	2.38	4.76	U
7005-72-3	4-Chlorophenyl phenyl ether		1.19	2.38	4.76	U
218-01-9	Chrysene		1.19	2.38	4.76	U
53-70-3	Dibenz(a,h)anthracene		1.19	2.38	4.76	U
132-64-9	Dibenzofuran		1.19	2.38	4.76	U
84-74-2	Di-n-butylphthalate		1.19	2.38	4.76	U
91-94-1	3,3'-Dichlorobenzidine		1.19	2.38	4.76	U
120-83-2	2,4-Dichlorophenol		1.19	2.38	4.76	U
84-66-2	Diethylphthalate		1.19	2.38	4.76	U
105-67-9	2,4-Dimethylphenol		4.76	9.52	19.0	U
131-11-3	Dimethyl phthalate		1.19	2.38	4.76	U
534-52-1	4,6-Dinitro-2-methylphenol		4.76	9.52	19.0	X, U
51-28-5	2,4-Dinitrophenol		0.952	23.8	47.6	X, U
121-14-2	2,4-Dinitrotoluene		1.19	2.38	4.76	U
606-20-2	2,6-Dinitrotoluene		1.19	2.38	4.76	U
117-84-0	Di-n-octylphthalate		1.19	2.38	4.76	U

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11	File ID:	0403811.D
Sampled:	04/04/12 16:25	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 18:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.19	2.38	4.76	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.19	2.38	4.76	X, U
206-44-0	Fluoranthene		1.19	2.38	4.76	U
86-73-7	Fluorene		1.19	2.38	4.76	U
118-74-1	Hexachlorobenzene		1.19	2.38	4.76	U
87-68-3	Hexachlorobutadiene		1.19	2.38	4.76	U
77-47-4	Hexachlorocyclopentadiene		1.19	2.38	4.76	X, U
67-72-1	Hexachloroethane		1.19	2.38	4.76	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.19	2.38	4.76	U
78-59-1	Isophorone		1.19	2.38	4.76	U
90-12-0	1-Methylnaphthalene		1.19	2.38	4.76	U
91-57-6	2-Methylnaphthalene		1.19	2.38	4.76	U
95-48-7	2-Methylphenol		1.19	2.38	4.76	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.19	2.38	4.76	U
91-20-3	Naphthalene		1.19	2.38	4.76	U
100-01-6	4-Nitroaniline		4.76	9.52	19.0	U
99-09-2	3-Nitroaniline		4.76	9.52	19.0	U
88-74-4	2-Nitroaniline		4.76	9.52	19.0	U
98-95-3	Nitrobenzene		1.19	2.38	4.76	U
100-02-7	4-Nitrophenol		4.76	9.52	19.0	U
88-75-5	2-Nitrophenol		1.19	2.38	4.76	U
86-30-6	N-Nitrosodiphenylamine		1.19	2.38	4.76	U
621-64-7	N-Nitroso-di-n-propylamine		1.19	2.38	4.76	U
87-86-5	Pentachlorophenol		4.76	9.52	19.0	U
85-01-8	Phenanthrene		1.19	2.38	4.76	U
108-95-2	Phenol		1.19	2.38	4.76	U
129-00-0	Pyrene		1.19	2.38	4.76	U
88-06-2	2,4,6-Trichlorophenol		1.19	2.38	4.76	U
95-95-4	2,4,5-Trichlorophenol		1.19	2.38	4.76	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.62	31.71	66.6	50 - 110	
2-Fluorophenol	95.24	18.21	19.1	20 - 110	*
Nitrobenzene-d5	47.62	30.70	64.5	40 - 110	
Phenol-d6	95.24	11.76	12.3	0 - 110	
Terphenyl-d14	47.62	42.56	89.4	50 - 135	
2,4,6-Tribromophenol	95.24	62.85	66.0	40 - 125	

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13	File ID:	0403813.D
Sampled:	04/04/12 13:32	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 18:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13	File ID:	0403813.D
Sampled:	04/04/12 13:32	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 18:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	41.16	85.6	50 - 110	
2-Fluorophenol	96.15	29.05	30.2	20 - 110	
Nitrobenzene-d5	48.08	40.26	83.7	40 - 110	
Phenol-d6	96.15	16.78	17.5	0 - 110	
Terphenyl-d14	48.08	41.49	86.3	50 - 135	
2,4,6-Tribromophenol	96.15	84.64	88.0	40 - 125	

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15	File ID:	0403815.D
Sampled:	04/04/12 10:41	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 18:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	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

GW0522

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15	File ID:	0403815.D
Sampled:	04/04/12 10:41	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 18:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, 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	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	33.62	68.6	50 - 110	
2-Fluorophenol	98.04	23.09	23.5	20 - 110	
Nitrobenzene-d5	49.02	32.75	66.8	40 - 110	
Phenol-d6	98.04	13.71	14.0	0 - 110	
Terphenyl-d14	49.02	42.85	87.4	50 - 135	
2,4,6-Tribromophenol	98.04	74.87	76.4	40 - 125	

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17	File ID:	0403817.D
Sampled:	04/04/12 10:41	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 19:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	X, U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	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

GW0523

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17	File ID:	0403817.D
Sampled:	04/04/12 10:41	Prepared:	04/06/12 12:25	Analyzed:	04/07/12 19:23
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, 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	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	35.76	73.0	50 - 110	
2-Fluorophenol	98.04	22.73	23.2	20 - 110	
Nitrobenzene-d5	49.02	34.90	71.2	40 - 110	
Phenol-d6	98.04	14.67	15.0	0 - 110	
Terphenyl-d14	49.02	43.15	88.0	50 - 135	
2,4,6-Tribromophenol	98.04	80.81	82.4	40 - 125	

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01	File ID:	0405401.D
Sampled:	04/09/12 11:29	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 20:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	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	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	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	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01	File ID:	0405401.D
Sampled:	04/09/12 11:29	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 20:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	39.80	82.8	50 - 110	
2-Fluorophenol	96.15	29.46	30.6	20 - 110	
Nitrobenzene-d5	48.08	38.59	80.3	40 - 110	
Phenol-d6	96.15	16.49	17.2	0 - 110	
Terphenyl-d14	48.08	53.80	112	50 - 135	
2,4,6-Tribromophenol	96.15	89.01	92.6	40 - 125	

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03	File ID:	0405403.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.32	2.63	5.26	U
208-96-8	Acenaphthylene		1.32	2.63	5.26	U
98-86-2	Acetophenone		1.32	2.63	5.26	U
120-12-7	Anthracene		1.32	2.63	5.26	U
1912-24-9	Atrazine		1.32	2.63	5.26	U
100-52-7	Benzaldehyde		1.32	2.63	5.26	U
92-87-5	Benzidine		13.2	26.3	52.6	X, U
56-55-3	Benzo(a)anthracene		1.32	2.63	5.26	U
50-32-8	Benzo(a)pyrene		1.32	2.63	5.26	U
205-99-2	Benzo(b)fluoranthene		1.32	2.63	5.26	U
191-24-2	Benzo(g,h,i)perylene		1.32	2.63	5.26	U
65-85-0	Benzoic acid		13.2	26.3	52.6	U
207-08-9	Benzo(k)fluoranthene		1.32	2.63	5.26	U
92-52-4	1,1-Biphenyl		1.32	2.63	5.26	U
101-55-3	4-Bromophenyl-phenylether		1.32	2.63	5.26	U
85-68-7	Butylbenzylphthalate		1.32	2.63	5.26	Q, U
105-60-2	Caprolactam		1.32	2.63	5.26	U
86-74-8	Carbazole		1.32	2.63	5.26	U
59-50-7	4-Chloro-3-methylphenol		1.32	2.63	5.26	U
106-47-8	4-Chloroaniline		1.32	2.63	5.26	U
111-91-1	Bis(2-chloroethoxy)methane		1.32	2.63	5.26	U
111-44-4	Bis(2-chloroethyl)ether		1.32	2.63	5.26	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.32	2.63	5.26	U
91-58-7	2-Chloronaphthalene		1.32	2.63	5.26	U
95-57-8	2-Chlorophenol		1.32	2.63	5.26	U
7005-72-3	4-Chlorophenyl phenyl ether		1.32	2.63	5.26	U
218-01-9	Chrysene		1.32	2.63	5.26	U
53-70-3	Dibenz(a,h)anthracene		1.32	2.63	5.26	U
132-64-9	Dibenzofuran		1.32	2.63	5.26	U
84-74-2	Di-n-butylphthalate		1.32	2.63	5.26	U
91-94-1	3,3'-Dichlorobenzidine		1.32	2.63	5.26	U
120-83-2	2,4-Dichlorophenol		1.32	2.63	5.26	U
84-66-2	Diethylphthalate		1.32	2.63	5.26	U
105-67-9	2,4-Dimethylphenol		5.26	10.5	21.1	U
131-11-3	Dimethyl phthalate		1.32	2.63	5.26	U
534-52-1	4,6-Dinitro-2-methylphenol		5.26	10.5	21.1	U
51-28-5	2,4-Dinitrophenol		1.05	26.3	52.6	X, U
121-14-2	2,4-Dinitrotoluene		1.32	2.63	5.26	U
606-20-2	2,6-Dinitrotoluene		1.32	2.63	5.26	U
117-84-0	Di-n-octylphthalate		1.32	2.63	5.26	U

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03	File ID:	0405403.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 20:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.32	2.63	5.26	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.32	2.63	5.26	U
206-44-0	Fluoranthene		1.32	2.63	5.26	U
86-73-7	Fluorene		1.32	2.63	5.26	U
118-74-1	Hexachlorobenzene		1.32	2.63	5.26	U
87-68-3	Hexachlorobutadiene		1.32	2.63	5.26	U
77-47-4	Hexachlorocyclopentadiene		1.32	2.63	5.26	X, U
67-72-1	Hexachloroethane		1.32	2.63	5.26	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.32	2.63	5.26	U
78-59-1	Isophorone		1.32	2.63	5.26	U
90-12-0	1-Methylnaphthalene		1.32	2.63	5.26	U
91-57-6	2-Methylnaphthalene		1.32	2.63	5.26	U
95-48-7	2-Methylphenol		1.32	2.63	5.26	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.32	2.63	5.26	U
91-20-3	Naphthalene		1.32	2.63	5.26	U
100-01-6	4-Nitroaniline		5.26	10.5	21.1	U
99-09-2	3-Nitroaniline		5.26	10.5	21.1	U
88-74-4	2-Nitroaniline		5.26	10.5	21.1	U
98-95-3	Nitrobenzene		1.32	2.63	5.26	U
100-02-7	4-Nitrophenol		5.26	10.5	21.1	U
88-75-5	2-Nitrophenol		1.32	2.63	5.26	U
86-30-6	N-Nitrosodiphenylamine		1.32	2.63	5.26	U
621-64-7	N-Nitroso-di-n-propylamine		1.32	2.63	5.26	U
87-86-5	Pentachlorophenol		5.26	10.5	21.1	U
85-01-8	Phenanthrene		1.32	2.63	5.26	U
108-95-2	Phenol		1.32	2.63	5.26	U
129-00-0	Pyrene		1.32	2.63	5.26	U
88-06-2	2,4,6-Trichlorophenol		1.32	2.63	5.26	U
95-95-4	2,4,5-Trichlorophenol		1.32	2.63	5.26	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	52.63	42.44	80.6	50 - 110	
2-Fluorophenol	105.3	35.58	33.8	20 - 110	
Nitrobenzene-d5	52.63	42.35	80.5	40 - 110	
Phenol-d6	105.3	21.57	20.5	0 - 110	
Terphenyl-d14	52.63	53.92	102	50 - 135	
2,4,6-Tribromophenol	105.3	91.82	87.2	40 - 125	

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05	File ID:	0405405.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 20:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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

GW0545

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05	File ID:	0405405.D
Sampled:	04/10/12 13:31	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 20:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	43.42	86.8	50 - 110	
2-Fluorophenol	100.0	35.89	35.9	20 - 110	
Nitrobenzene-d5	50.00	43.50	87.0	40 - 110	
Phenol-d6	100.0	20.79	20.8	0 - 110	
Terphenyl-d14	50.00	54.51	109	50 - 135	
2,4,6-Tribromophenol	100.0	95.75	95.8	40 - 125	

ANALYSIS DATA SHEET

GW0546

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07	File ID:	0405407.D
Sampled:	04/10/12 11:16	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 21:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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

GW0546

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07	File ID:	0405407.D
Sampled:	04/10/12 11:16	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 21:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	39.40	78.8	50 - 110	
2-Fluorophenol	100.0	30.01	30.0	20 - 110	
Nitrobenzene-d5	50.00	38.44	76.9	40 - 110	
Phenol-d6	100.0	17.37	17.4	0 - 110	
Terphenyl-d14	50.00	52.37	105	50 - 135	
2,4,6-Tribromophenol	100.0	87.26	87.3	40 - 125	

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09	File ID:	0405409.D
Sampled:	04/09/12 16:39	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 21:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.32	2.63	5.26	U
208-96-8	Acenaphthylene		1.32	2.63	5.26	U
98-86-2	Acetophenone		1.32	2.63	5.26	U
120-12-7	Anthracene		1.32	2.63	5.26	U
1912-24-9	Atrazine		1.32	2.63	5.26	U
100-52-7	Benzaldehyde		1.32	2.63	5.26	U
92-87-5	Benzidine		13.2	26.3	52.6	X, U
56-55-3	Benzo(a)anthracene		1.32	2.63	5.26	U
50-32-8	Benzo(a)pyrene		1.32	2.63	5.26	U
205-99-2	Benzo(b)fluoranthene		1.32	2.63	5.26	U
191-24-2	Benzo(g,h,i)perylene		1.32	2.63	5.26	U
65-85-0	Benzoic acid		13.2	26.3	52.6	U
207-08-9	Benzo(k)fluoranthene		1.32	2.63	5.26	U
92-52-4	1,1-Biphenyl		1.32	2.63	5.26	U
101-55-3	4-Bromophenyl-phenylether		1.32	2.63	5.26	U
85-68-7	Butylbenzylphthalate		1.32	2.63	5.26	Q, U
105-60-2	Caprolactam		1.32	2.63	5.26	U
86-74-8	Carbazole		1.32	2.63	5.26	U
59-50-7	4-Chloro-3-methylphenol		1.32	2.63	5.26	U
106-47-8	4-Chloroaniline		1.32	2.63	5.26	U
111-91-1	Bis(2-chloroethoxy)methane		1.32	2.63	5.26	U
111-44-4	Bis(2-chloroethyl)ether		1.32	2.63	5.26	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.32	2.63	5.26	U
91-58-7	2-Chloronaphthalene		1.32	2.63	5.26	U
95-57-8	2-Chlorophenol		1.32	2.63	5.26	U
7005-72-3	4-Chlorophenyl phenyl ether		1.32	2.63	5.26	U
218-01-9	Chrysene		1.32	2.63	5.26	U
53-70-3	Dibenz(a,h)anthracene		1.32	2.63	5.26	U
132-64-9	Dibenzofuran		1.32	2.63	5.26	U
84-74-2	Di-n-butylphthalate		1.32	2.63	5.26	U
91-94-1	3,3'-Dichlorobenzidine		1.32	2.63	5.26	U
120-83-2	2,4-Dichlorophenol		1.32	2.63	5.26	U
84-66-2	Diethylphthalate		1.32	2.63	5.26	U
105-67-9	2,4-Dimethylphenol		5.26	10.5	21.1	U
131-11-3	Dimethyl phthalate		1.32	2.63	5.26	U
534-52-1	4,6-Dinitro-2-methylphenol		5.26	10.5	21.1	U
51-28-5	2,4-Dinitrophenol		1.05	26.3	52.6	X, U
121-14-2	2,4-Dinitrotoluene		1.32	2.63	5.26	U
606-20-2	2,6-Dinitrotoluene		1.32	2.63	5.26	U
117-84-0	Di-n-octylphthalate		1.32	2.63	5.26	U

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09	File ID:	0405409.D
Sampled:	04/09/12 16:39	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 21:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.32	2.63	5.26	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.32	2.63	5.26	U
206-44-0	Fluoranthene		1.32	2.63	5.26	U
86-73-7	Fluorene		1.32	2.63	5.26	U
118-74-1	Hexachlorobenzene		1.32	2.63	5.26	U
87-68-3	Hexachlorobutadiene		1.32	2.63	5.26	U
77-47-4	Hexachlorocyclopentadiene		1.32	2.63	5.26	X, U
67-72-1	Hexachloroethane		1.32	2.63	5.26	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.32	2.63	5.26	U
78-59-1	Isophorone	1.72	1.32	2.63	5.26	J
90-12-0	1-Methylnaphthalene	2.76	1.32	2.63	5.26	J
91-57-6	2-Methylnaphthalene	1.62	1.32	2.63	5.26	J
95-48-7	2-Methylphenol		1.32	2.63	5.26	U
108-39-4/106	3-Methylphenol/4-Methylphenol	6.00	1.32	2.63	5.26	
91-20-3	Naphthalene		1.32	2.63	5.26	U
100-01-6	4-Nitroaniline		5.26	10.5	21.1	U
99-09-2	3-Nitroaniline		5.26	10.5	21.1	U
88-74-4	2-Nitroaniline		5.26	10.5	21.1	U
98-95-3	Nitrobenzene		1.32	2.63	5.26	U
100-02-7	4-Nitrophenol		5.26	10.5	21.1	U
88-75-5	2-Nitrophenol		1.32	2.63	5.26	U
86-30-6	N-Nitrosodiphenylamine		1.32	2.63	5.26	U
621-64-7	N-Nitroso-di-n-propylamine		1.32	2.63	5.26	U
87-86-5	Pentachlorophenol		5.26	10.5	21.1	U
85-01-8	Phenanthrene		1.32	2.63	5.26	U
108-95-2	Phenol		1.32	2.63	5.26	U
129-00-0	Pyrene		1.32	2.63	5.26	U
88-06-2	2,4,6-Trichlorophenol		1.32	2.63	5.26	U
95-95-4	2,4,5-Trichlorophenol		1.32	2.63	5.26	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	52.63	44.15	83.9	50 - 110	
2-Fluorophenol	105.3	32.29	30.7	20 - 110	
Nitrobenzene-d5	52.63	43.51	82.7	40 - 110	
Phenol-d6	105.3	20.85	19.8	0 - 110	
Terphenyl-d14	52.63	54.86	104	50 - 135	
2,4,6-Tribromophenol	105.3	91.99	87.4	40 - 125	

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11	File ID:	0405411.D
Sampled:	04/09/12 14:26	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 22:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.32	2.63	5.26	U
208-96-8	Acenaphthylene		1.32	2.63	5.26	U
98-86-2	Acetophenone		1.32	2.63	5.26	U
120-12-7	Anthracene		1.32	2.63	5.26	U
1912-24-9	Atrazine		1.32	2.63	5.26	U
100-52-7	Benzaldehyde		1.32	2.63	5.26	U
92-87-5	Benzidine		13.2	26.3	52.6	X, U
56-55-3	Benzo(a)anthracene		1.32	2.63	5.26	U
50-32-8	Benzo(a)pyrene		1.32	2.63	5.26	U
205-99-2	Benzo(b)fluoranthene		1.32	2.63	5.26	U
191-24-2	Benzo(g,h,i)perylene		1.32	2.63	5.26	U
65-85-0	Benzoic acid		13.2	26.3	52.6	U
207-08-9	Benzo(k)fluoranthene		1.32	2.63	5.26	U
92-52-4	1,1-Biphenyl		1.32	2.63	5.26	U
101-55-3	4-Bromophenyl-phenylether		1.32	2.63	5.26	U
85-68-7	Butylbenzylphthalate		1.32	2.63	5.26	Q, U
105-60-2	Caprolactam		1.32	2.63	5.26	U
86-74-8	Carbazole		1.32	2.63	5.26	U
59-50-7	4-Chloro-3-methylphenol		1.32	2.63	5.26	U
106-47-8	4-Chloroaniline		1.32	2.63	5.26	U
111-91-1	Bis(2-chloroethoxy)methane		1.32	2.63	5.26	U
111-44-4	Bis(2-chloroethyl)ether		1.32	2.63	5.26	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.32	2.63	5.26	U
91-58-7	2-Chloronaphthalene		1.32	2.63	5.26	U
95-57-8	2-Chlorophenol		1.32	2.63	5.26	U
7005-72-3	4-Chlorophenyl phenyl ether		1.32	2.63	5.26	U
218-01-9	Chrysene		1.32	2.63	5.26	U
53-70-3	Dibenz(a,h)anthracene		1.32	2.63	5.26	U
132-64-9	Dibenzofuran		1.32	2.63	5.26	U
84-74-2	Di-n-butylphthalate		1.32	2.63	5.26	U
91-94-1	3,3'-Dichlorobenzidine		1.32	2.63	5.26	U
120-83-2	2,4-Dichlorophenol		1.32	2.63	5.26	U
84-66-2	Diethylphthalate		1.32	2.63	5.26	U
105-67-9	2,4-Dimethylphenol		5.26	10.5	21.1	U
131-11-3	Dimethyl phthalate		1.32	2.63	5.26	U
534-52-1	4,6-Dinitro-2-methylphenol		5.26	10.5	21.1	U
51-28-5	2,4-Dinitrophenol		1.05	26.3	52.6	X, U
121-14-2	2,4-Dinitrotoluene		1.32	2.63	5.26	U
606-20-2	2,6-Dinitrotoluene		1.32	2.63	5.26	U
117-84-0	Di-n-octylphthalate		1.32	2.63	5.26	U

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11	File ID:	0405411.D
Sampled:	04/09/12 14:26	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 22:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.32	2.63	5.26	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.32	2.63	5.26	U
206-44-0	Fluoranthene		1.32	2.63	5.26	U
86-73-7	Fluorene		1.32	2.63	5.26	U
118-74-1	Hexachlorobenzene		1.32	2.63	5.26	U
87-68-3	Hexachlorobutadiene		1.32	2.63	5.26	U
77-47-4	Hexachlorocyclopentadiene		1.32	2.63	5.26	X, U
67-72-1	Hexachloroethane		1.32	2.63	5.26	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.32	2.63	5.26	U
78-59-1	Isophorone	2.32	1.32	2.63	5.26	J
90-12-0	1-Methylnaphthalene	6.19	1.32	2.63	5.26	
91-57-6	2-Methylnaphthalene	3.87	1.32	2.63	5.26	J
95-48-7	2-Methylphenol	2.59	1.32	2.63	5.26	J
108-39-4/106	3-Methylphenol/4-Methylphenol	7.96	1.32	2.63	5.26	
91-20-3	Naphthalene		1.32	2.63	5.26	U
100-01-6	4-Nitroaniline		5.26	10.5	21.1	U
99-09-2	3-Nitroaniline		5.26	10.5	21.1	U
88-74-4	2-Nitroaniline		5.26	10.5	21.1	U
98-95-3	Nitrobenzene		1.32	2.63	5.26	U
100-02-7	4-Nitrophenol		5.26	10.5	21.1	U
88-75-5	2-Nitrophenol		1.32	2.63	5.26	U
86-30-6	N-Nitrosodiphenylamine		1.32	2.63	5.26	U
621-64-7	N-Nitroso-di-n-propylamine		1.32	2.63	5.26	U
87-86-5	Pentachlorophenol		5.26	10.5	21.1	U
85-01-8	Phenanthrene		1.32	2.63	5.26	U
108-95-2	Phenol		1.32	2.63	5.26	U
129-00-0	Pyrene		1.32	2.63	5.26	U
88-06-2	2,4,6-Trichlorophenol		1.32	2.63	5.26	U
95-95-4	2,4,5-Trichlorophenol		1.32	2.63	5.26	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	52.63	45.90	87.2	50 - 110	
2-Fluorophenol	105.3	31.94	30.3	20 - 110	
Nitrobenzene-d5	52.63	46.64	88.6	40 - 110	
Phenol-d6	105.3	20.94	19.9	0 - 110	
Terphenyl-d14	52.63	56.70	108	50 - 135	
2,4,6-Tribromophenol	105.3	90.57	86.0	40 - 125	

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13	File ID:	0405413.D
Sampled:	04/09/12 11:55	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 22:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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

GW0592

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13	File ID:	0405413.D
Sampled:	04/09/12 11:55	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 22:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.62	77.2	50 - 110	
2-Fluorophenol	100.0	30.78	30.8	20 - 110	
Nitrobenzene-d5	50.00	37.21	74.4	40 - 110	
Phenol-d6	100.0	17.59	17.6	0 - 110	
Terphenyl-d14	50.00	51.62	103	50 - 135	
2,4,6-Tribromophenol	100.0	88.59	88.6	40 - 125	

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15	File ID:	0405415.D
Sampled:	04/10/12 14:20	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 23:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	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	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, U
105-60-2	Caprolactam		1.20	2.40	4.81	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	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	X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15	File ID:	0405415.D
Sampled:	04/10/12 14:20	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 23:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	34.39	71.5	50 - 110	
2-Fluorophenol	96.15	24.63	25.6	20 - 110	
Nitrobenzene-d5	48.08	32.93	68.5	40 - 110	
Phenol-d6	96.15	14.22	14.8	0 - 110	
Terphenyl-d14	48.08	50.73	106	50 - 135	
2,4,6-Tribromophenol	96.15	78.53	81.7	40 - 125	

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17	File ID:	0405417.D
Sampled:	04/10/12 12:04	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 23:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.39	2.78	5.56	U
208-96-8	Acenaphthylene		1.39	2.78	5.56	U
98-86-2	Acetophenone		1.39	2.78	5.56	U
120-12-7	Anthracene		1.39	2.78	5.56	U
1912-24-9	Atrazine		1.39	2.78	5.56	U
100-52-7	Benzaldehyde		1.39	2.78	5.56	U
92-87-5	Benzidine		13.9	27.8	55.6	X, U
56-55-3	Benzo(a)anthracene		1.39	2.78	5.56	U
50-32-8	Benzo(a)pyrene		1.39	2.78	5.56	U
205-99-2	Benzo(b)fluoranthene		1.39	2.78	5.56	U
191-24-2	Benzo(g,h,i)perylene		1.39	2.78	5.56	U
65-85-0	Benzoic acid		13.9	27.8	55.6	U
207-08-9	Benzo(k)fluoranthene		1.39	2.78	5.56	U
92-52-4	1,1-Biphenyl		1.39	2.78	5.56	U
101-55-3	4-Bromophenyl-phenylether		1.39	2.78	5.56	U
85-68-7	Butylbenzylphthalate		1.39	2.78	5.56	Q, U
105-60-2	Caprolactam		1.39	2.78	5.56	U
86-74-8	Carbazole		1.39	2.78	5.56	U
59-50-7	4-Chloro-3-methylphenol		1.39	2.78	5.56	U
106-47-8	4-Chloroaniline		1.39	2.78	5.56	U
111-91-1	Bis(2-chloroethoxy)methane		1.39	2.78	5.56	U
111-44-4	Bis(2-chloroethyl)ether		1.39	2.78	5.56	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.39	2.78	5.56	U
91-58-7	2-Chloronaphthalene		1.39	2.78	5.56	U
95-57-8	2-Chlorophenol		1.39	2.78	5.56	U
7005-72-3	4-Chlorophenyl phenyl ether		1.39	2.78	5.56	U
218-01-9	Chrysene		1.39	2.78	5.56	U
53-70-3	Dibenz(a,h)anthracene		1.39	2.78	5.56	U
132-64-9	Dibenzofuran		1.39	2.78	5.56	U
84-74-2	Di-n-butylphthalate		1.39	2.78	5.56	U
91-94-1	3,3'-Dichlorobenzidine		1.39	2.78	5.56	U
120-83-2	2,4-Dichlorophenol		1.39	2.78	5.56	U
84-66-2	Diethylphthalate		1.39	2.78	5.56	U
105-67-9	2,4-Dimethylphenol		5.56	11.1	22.2	U
131-11-3	Dimethyl phthalate		1.39	2.78	5.56	U
534-52-1	4,6-Dinitro-2-methylphenol		5.56	11.1	22.2	U
51-28-5	2,4-Dinitrophenol		1.11	27.8	55.6	X, U
121-14-2	2,4-Dinitrotoluene		1.39	2.78	5.56	U
606-20-2	2,6-Dinitrotoluene		1.39	2.78	5.56	U
117-84-0	Di-n-octylphthalate		1.39	2.78	5.56	U

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17	File ID:	0405417.D
Sampled:	04/10/12 12:04	Prepared:	04/13/12 11:30	Analyzed:	04/13/12 23:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.39	2.78	5.56	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.39	2.78	5.56	U
206-44-0	Fluoranthene		1.39	2.78	5.56	U
86-73-7	Fluorene		1.39	2.78	5.56	U
118-74-1	Hexachlorobenzene		1.39	2.78	5.56	U
87-68-3	Hexachlorobutadiene		1.39	2.78	5.56	U
77-47-4	Hexachlorocyclopentadiene		1.39	2.78	5.56	X, U
67-72-1	Hexachloroethane		1.39	2.78	5.56	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.39	2.78	5.56	U
78-59-1	Isophorone		1.39	2.78	5.56	U
90-12-0	1-Methylnaphthalene		1.39	2.78	5.56	U
91-57-6	2-Methylnaphthalene		1.39	2.78	5.56	U
95-48-7	2-Methylphenol		1.39	2.78	5.56	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.39	2.78	5.56	U
91-20-3	Naphthalene		1.39	2.78	5.56	U
100-01-6	4-Nitroaniline		5.56	11.1	22.2	U
99-09-2	3-Nitroaniline		5.56	11.1	22.2	U
88-74-4	2-Nitroaniline		5.56	11.1	22.2	U
98-95-3	Nitrobenzene		1.39	2.78	5.56	U
100-02-7	4-Nitrophenol		5.56	11.1	22.2	U
88-75-5	2-Nitrophenol		1.39	2.78	5.56	U
86-30-6	N-Nitrosodiphenylamine		1.39	2.78	5.56	U
621-64-7	N-Nitroso-di-n-propylamine		1.39	2.78	5.56	U
87-86-5	Pentachlorophenol		5.56	11.1	22.2	U
85-01-8	Phenanthrene		1.39	2.78	5.56	U
108-95-2	Phenol		1.39	2.78	5.56	U
129-00-0	Pyrene		1.39	2.78	5.56	U
88-06-2	2,4,6-Trichlorophenol		1.39	2.78	5.56	U
95-95-4	2,4,5-Trichlorophenol		1.39	2.78	5.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	42.23	76.0	50 - 110	
2-Fluorophenol	111.1	24.65	22.2	20 - 110	
Nitrobenzene-d5	55.56	39.98	72.0	40 - 110	
Phenol-d6	111.1	18.23	16.4	0 - 110	
Terphenyl-d14	55.56	51.25	92.3	50 - 135	
2,4,6-Tribromophenol	111.1	62.45	56.2	40 - 125	

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19	File ID:	0405419.D
Sampled:	04/09/12 15:34	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 00:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.21	2.43	4.85	U
208-96-8	Acenaphthylene		1.21	2.43	4.85	U
98-86-2	Acetophenone		1.21	2.43	4.85	U
120-12-7	Anthracene		1.21	2.43	4.85	U
1912-24-9	Atrazine		1.21	2.43	4.85	U
100-52-7	Benzaldehyde		1.21	2.43	4.85	U
92-87-5	Benzidine		12.1	24.3	48.5	X, U
56-55-3	Benzo(a)anthracene		1.21	2.43	4.85	U
50-32-8	Benzo(a)pyrene		1.21	2.43	4.85	U
205-99-2	Benzo(b)fluoranthene		1.21	2.43	4.85	U
191-24-2	Benzo(g,h,i)perylene		1.21	2.43	4.85	U
65-85-0	Benzoic acid		12.1	24.3	48.5	U
207-08-9	Benzo(k)fluoranthene		1.21	2.43	4.85	U
92-52-4	1,1-Biphenyl		1.21	2.43	4.85	U
101-55-3	4-Bromophenyl-phenylether		1.21	2.43	4.85	U
85-68-7	Butylbenzylphthalate		1.21	2.43	4.85	Q, U
105-60-2	Caprolactam		1.21	2.43	4.85	U
86-74-8	Carbazole		1.21	2.43	4.85	U
59-50-7	4-Chloro-3-methylphenol		1.21	2.43	4.85	U
106-47-8	4-Chloroaniline		1.21	2.43	4.85	U
111-91-1	Bis(2-chloroethoxy)methane		1.21	2.43	4.85	U
111-44-4	Bis(2-chloroethyl)ether		1.21	2.43	4.85	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.21	2.43	4.85	U
91-58-7	2-Chloronaphthalene		1.21	2.43	4.85	U
95-57-8	2-Chlorophenol		1.21	2.43	4.85	U
7005-72-3	4-Chlorophenyl phenyl ether		1.21	2.43	4.85	U
218-01-9	Chrysene		1.21	2.43	4.85	U
53-70-3	Dibenz(a,h)anthracene		1.21	2.43	4.85	U
132-64-9	Dibenzofuran		1.21	2.43	4.85	U
84-74-2	Di-n-butylphthalate		1.21	2.43	4.85	U
91-94-1	3,3'-Dichlorobenzidine		1.21	2.43	4.85	U
120-83-2	2,4-Dichlorophenol		1.21	2.43	4.85	U
84-66-2	Diethylphthalate		1.21	2.43	4.85	U
105-67-9	2,4-Dimethylphenol		4.85	9.71	19.4	U
131-11-3	Dimethyl phthalate		1.21	2.43	4.85	U
534-52-1	4,6-Dinitro-2-methylphenol		4.85	9.71	19.4	U
51-28-5	2,4-Dinitrophenol		0.971	24.3	48.5	X, U
121-14-2	2,4-Dinitrotoluene		1.21	2.43	4.85	U
606-20-2	2,6-Dinitrotoluene		1.21	2.43	4.85	U
117-84-0	Di-n-octylphthalate		1.21	2.43	4.85	U

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19	File ID:	0405419.D
Sampled:	04/09/12 15:34	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 00:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.21	2.43	4.85	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.21	2.43	4.85	U
206-44-0	Fluoranthene		1.21	2.43	4.85	U
86-73-7	Fluorene		1.21	2.43	4.85	U
118-74-1	Hexachlorobenzene		1.21	2.43	4.85	U
87-68-3	Hexachlorobutadiene		1.21	2.43	4.85	U
77-47-4	Hexachlorocyclopentadiene		1.21	2.43	4.85	X, U
67-72-1	Hexachloroethane		1.21	2.43	4.85	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.21	2.43	4.85	U
78-59-1	Isophorone		1.21	2.43	4.85	U
90-12-0	1-Methylnaphthalene		1.21	2.43	4.85	U
91-57-6	2-Methylnaphthalene		1.21	2.43	4.85	U
95-48-7	2-Methylphenol		1.21	2.43	4.85	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.21	2.43	4.85	U
91-20-3	Naphthalene		1.21	2.43	4.85	U
100-01-6	4-Nitroaniline		4.85	9.71	19.4	U
99-09-2	3-Nitroaniline		4.85	9.71	19.4	U
88-74-4	2-Nitroaniline		4.85	9.71	19.4	U
98-95-3	Nitrobenzene		1.21	2.43	4.85	U
100-02-7	4-Nitrophenol		4.85	9.71	19.4	U
88-75-5	2-Nitrophenol		1.21	2.43	4.85	U
86-30-6	N-Nitrosodiphenylamine		1.21	2.43	4.85	U
621-64-7	N-Nitroso-di-n-propylamine		1.21	2.43	4.85	U
87-86-5	Pentachlorophenol		4.85	9.71	19.4	U
85-01-8	Phenanthrene		1.21	2.43	4.85	U
108-95-2	Phenol		1.21	2.43	4.85	U
129-00-0	Pyrene		1.21	2.43	4.85	U
88-06-2	2,4,6-Trichlorophenol		1.21	2.43	4.85	U
95-95-4	2,4,5-Trichlorophenol		1.21	2.43	4.85	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.54	37.56	77.4	50 - 110	
2-Fluorophenol	97.09	26.23	27.0	20 - 110	
Nitrobenzene-d5	48.54	36.29	74.8	40 - 110	
Phenol-d6	97.09	16.06	16.5	0 - 110	
Terphenyl-d14	48.54	31.90	65.7	50 - 135	
2,4,6-Tribromophenol	97.09	62.50	64.4	40 - 125	

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01	File ID:	0406301.D
Sampled:	04/10/12 16:17	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 00:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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

GW0505

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01	File ID:	0406301.D
Sampled:	04/10/12 16:17	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 00:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	29.95	59.9	50 - 110	
2-Fluorophenol	100.0	19.52	19.5	20 - 110	*
Nitrobenzene-d5	50.00	28.79	57.6	40 - 110	
Phenol-d6	100.0	12.83	12.8	0 - 110	
Terphenyl-d14	50.00	29.46	58.9	50 - 135	
2,4,6-Tribromophenol	100.0	49.89	49.9	40 - 125	

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03	File ID:	0406303.D
Sampled:	04/11/12 10:19	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 01:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.24	2.48	4.95	U
208-96-8	Acenaphthylene		1.24	2.48	4.95	U
98-86-2	Acetophenone		1.24	2.48	4.95	U
120-12-7	Anthracene		1.24	2.48	4.95	U
1912-24-9	Atrazine		1.24	2.48	4.95	U
100-52-7	Benzaldehyde		1.24	2.48	4.95	U
92-87-5	Benzidine		12.4	24.8	49.5	X, U
56-55-3	Benzo(a)anthracene		1.24	2.48	4.95	U
50-32-8	Benzo(a)pyrene		1.24	2.48	4.95	U
205-99-2	Benzo(b)fluoranthene		1.24	2.48	4.95	U
191-24-2	Benzo(g,h,i)perylene		1.24	2.48	4.95	U
65-85-0	Benzoic acid		12.4	24.8	49.5	U
207-08-9	Benzo(k)fluoranthene		1.24	2.48	4.95	U
92-52-4	1,1-Biphenyl		1.24	2.48	4.95	U
101-55-3	4-Bromophenyl-phenylether		1.24	2.48	4.95	U
85-68-7	Butylbenzylphthalate		1.24	2.48	4.95	Q, U
105-60-2	Caprolactam		1.24	2.48	4.95	U
86-74-8	Carbazole		1.24	2.48	4.95	U
59-50-7	4-Chloro-3-methylphenol		1.24	2.48	4.95	U
106-47-8	4-Chloroaniline		1.24	2.48	4.95	U
111-91-1	Bis(2-chloroethoxy)methane		1.24	2.48	4.95	U
111-44-4	Bis(2-chloroethyl)ether		1.24	2.48	4.95	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.24	2.48	4.95	U
91-58-7	2-Chloronaphthalene		1.24	2.48	4.95	U
95-57-8	2-Chlorophenol		1.24	2.48	4.95	U
7005-72-3	4-Chlorophenyl phenyl ether		1.24	2.48	4.95	U
218-01-9	Chrysene		1.24	2.48	4.95	U
53-70-3	Dibenz(a,h)anthracene		1.24	2.48	4.95	U
132-64-9	Dibenzofuran		1.24	2.48	4.95	U
84-74-2	Di-n-butylphthalate		1.24	2.48	4.95	U
91-94-1	3,3'-Dichlorobenzidine		1.24	2.48	4.95	U
120-83-2	2,4-Dichlorophenol		1.24	2.48	4.95	U
84-66-2	Diethylphthalate		1.24	2.48	4.95	U
105-67-9	2,4-Dimethylphenol		4.95	9.90	19.8	U
131-11-3	Dimethyl phthalate		1.24	2.48	4.95	U
534-52-1	4,6-Dinitro-2-methylphenol		4.95	9.90	19.8	U
51-28-5	2,4-Dinitrophenol		0.990	24.8	49.5	X, U
121-14-2	2,4-Dinitrotoluene		1.24	2.48	4.95	U
606-20-2	2,6-Dinitrotoluene		1.24	2.48	4.95	U
117-84-0	Di-n-octylphthalate		1.24	2.48	4.95	U

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03	File ID:	0406303.D
Sampled:	04/11/12 10:19	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 01:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.24	2.48	4.95	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.24	2.48	4.95	U
206-44-0	Fluoranthene		1.24	2.48	4.95	U
86-73-7	Fluorene		1.24	2.48	4.95	U
118-74-1	Hexachlorobenzene		1.24	2.48	4.95	U
87-68-3	Hexachlorobutadiene		1.24	2.48	4.95	U
77-47-4	Hexachlorocyclopentadiene		1.24	2.48	4.95	X, U
67-72-1	Hexachloroethane		1.24	2.48	4.95	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.24	2.48	4.95	U
78-59-1	Isophorone		1.24	2.48	4.95	U
90-12-0	1-Methylnaphthalene		1.24	2.48	4.95	U
91-57-6	2-Methylnaphthalene		1.24	2.48	4.95	U
95-48-7	2-Methylphenol		1.24	2.48	4.95	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.24	2.48	4.95	U
91-20-3	Naphthalene		1.24	2.48	4.95	U
100-01-6	4-Nitroaniline		4.95	9.90	19.8	U
99-09-2	3-Nitroaniline		4.95	9.90	19.8	U
88-74-4	2-Nitroaniline		4.95	9.90	19.8	U
98-95-3	Nitrobenzene		1.24	2.48	4.95	U
100-02-7	4-Nitrophenol		4.95	9.90	19.8	U
88-75-5	2-Nitrophenol		1.24	2.48	4.95	U
86-30-6	N-Nitrosodiphenylamine		1.24	2.48	4.95	U
621-64-7	N-Nitroso-di-n-propylamine		1.24	2.48	4.95	U
87-86-5	Pentachlorophenol		4.95	9.90	19.8	U
85-01-8	Phenanthrene		1.24	2.48	4.95	U
108-95-2	Phenol		1.24	2.48	4.95	U
129-00-0	Pyrene		1.24	2.48	4.95	U
88-06-2	2,4,6-Trichlorophenol		1.24	2.48	4.95	U
95-95-4	2,4,5-Trichlorophenol		1.24	2.48	4.95	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	42.80	86.4	50 - 110	
2-Fluorophenol	99.01	33.10	33.4	20 - 110	
Nitrobenzene-d5	49.50	41.47	83.8	40 - 110	
Phenol-d6	99.01	19.62	19.8	0 - 110	
Terphenyl-d14	49.50	48.27	97.5	50 - 135	
2,4,6-Tribromophenol	99.01	88.69	89.6	40 - 125	

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05	File ID:	0406305.D
Sampled:	04/11/12 12:36	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 01:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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

GW0510

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05	File ID:	0406305.D
Sampled:	04/11/12 12:36	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 01:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	40.74	81.5	50 - 110	
2-Fluorophenol	100.0	29.30	29.3	20 - 110	
Nitrobenzene-d5	50.00	39.66	79.3	40 - 110	
Phenol-d6	100.0	18.61	18.6	0 - 110	
Terphenyl-d14	50.00	45.36	90.7	50 - 135	
2,4,6-Tribromophenol	100.0	80.63	80.6	40 - 125	

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07	File ID:	0406307.D
Sampled:	04/10/12 16:46	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 02:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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

GW0596

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07	File ID:	0406307.D
Sampled:	04/10/12 16:46	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 02:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	36.12	72.2	50 - 110	
2-Fluorophenol	100.0	27.00	27.0	20 - 110	
Nitrobenzene-d5	50.00	35.11	70.2	40 - 110	
Phenol-d6	100.0	16.46	16.5	0 - 110	
Terphenyl-d14	50.00	40.78	81.6	50 - 135	
2,4,6-Tribromophenol	100.0	80.37	80.4	40 - 125	

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09	File ID:	0406309.D
Sampled:	04/11/12 14:16	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 02:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.24	2.48	4.95	U
208-96-8	Acenaphthylene		1.24	2.48	4.95	U
98-86-2	Acetophenone		1.24	2.48	4.95	U
120-12-7	Anthracene		1.24	2.48	4.95	U
1912-24-9	Atrazine		1.24	2.48	4.95	U
100-52-7	Benzaldehyde		1.24	2.48	4.95	U
92-87-5	Benzidine		12.4	24.8	49.5	X, U
56-55-3	Benzo(a)anthracene		1.24	2.48	4.95	U
50-32-8	Benzo(a)pyrene		1.24	2.48	4.95	U
205-99-2	Benzo(b)fluoranthene		1.24	2.48	4.95	U
191-24-2	Benzo(g,h,i)perylene		1.24	2.48	4.95	U
65-85-0	Benzoic acid		12.4	24.8	49.5	U
207-08-9	Benzo(k)fluoranthene		1.24	2.48	4.95	U
92-52-4	1,1-Biphenyl		1.24	2.48	4.95	U
101-55-3	4-Bromophenyl-phenylether		1.24	2.48	4.95	U
85-68-7	Butylbenzylphthalate		1.24	2.48	4.95	Q, U
105-60-2	Caprolactam		1.24	2.48	4.95	U
86-74-8	Carbazole		1.24	2.48	4.95	U
59-50-7	4-Chloro-3-methylphenol		1.24	2.48	4.95	U
106-47-8	4-Chloroaniline		1.24	2.48	4.95	U
111-91-1	Bis(2-chloroethoxy)methane		1.24	2.48	4.95	U
111-44-4	Bis(2-chloroethyl)ether		1.24	2.48	4.95	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.24	2.48	4.95	U
91-58-7	2-Chloronaphthalene		1.24	2.48	4.95	U
95-57-8	2-Chlorophenol		1.24	2.48	4.95	U
7005-72-3	4-Chlorophenyl phenyl ether		1.24	2.48	4.95	U
218-01-9	Chrysene		1.24	2.48	4.95	U
53-70-3	Dibenz(a,h)anthracene		1.24	2.48	4.95	U
132-64-9	Dibenzofuran		1.24	2.48	4.95	U
84-74-2	Di-n-butylphthalate		1.24	2.48	4.95	U
91-94-1	3,3'-Dichlorobenzidine		1.24	2.48	4.95	U
120-83-2	2,4-Dichlorophenol		1.24	2.48	4.95	U
84-66-2	Diethylphthalate		1.24	2.48	4.95	U
105-67-9	2,4-Dimethylphenol		4.95	9.90	19.8	U
131-11-3	Dimethyl phthalate		1.24	2.48	4.95	U
534-52-1	4,6-Dinitro-2-methylphenol		4.95	9.90	19.8	U
51-28-5	2,4-Dinitrophenol		0.990	24.8	49.5	X, U
121-14-2	2,4-Dinitrotoluene		1.24	2.48	4.95	U
606-20-2	2,6-Dinitrotoluene		1.24	2.48	4.95	U
117-84-0	Di-n-octylphthalate		1.24	2.48	4.95	U

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09	File ID:	0406309.D
Sampled:	04/11/12 14:16	Prepared:	04/13/12 11:30	Analyzed:	04/14/12 02:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.24	2.48	4.95	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.24	2.48	4.95	U
206-44-0	Fluoranthene		1.24	2.48	4.95	U
86-73-7	Fluorene		1.24	2.48	4.95	U
118-74-1	Hexachlorobenzene		1.24	2.48	4.95	U
87-68-3	Hexachlorobutadiene		1.24	2.48	4.95	U
77-47-4	Hexachlorocyclopentadiene		1.24	2.48	4.95	X, U
67-72-1	Hexachloroethane		1.24	2.48	4.95	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.24	2.48	4.95	U
78-59-1	Isophorone		1.24	2.48	4.95	U
90-12-0	1-Methylnaphthalene		1.24	2.48	4.95	U
91-57-6	2-Methylnaphthalene		1.24	2.48	4.95	U
95-48-7	2-Methylphenol		1.24	2.48	4.95	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.24	2.48	4.95	U
91-20-3	Naphthalene		1.24	2.48	4.95	U
100-01-6	4-Nitroaniline		4.95	9.90	19.8	U
99-09-2	3-Nitroaniline		4.95	9.90	19.8	U
88-74-4	2-Nitroaniline		4.95	9.90	19.8	U
98-95-3	Nitrobenzene		1.24	2.48	4.95	U
100-02-7	4-Nitrophenol		4.95	9.90	19.8	U
88-75-5	2-Nitrophenol		1.24	2.48	4.95	U
86-30-6	N-Nitrosodiphenylamine		1.24	2.48	4.95	U
621-64-7	N-Nitroso-di-n-propylamine		1.24	2.48	4.95	U
87-86-5	Pentachlorophenol		4.95	9.90	19.8	U
85-01-8	Phenanthrene		1.24	2.48	4.95	U
108-95-2	Phenol		1.24	2.48	4.95	U
129-00-0	Pyrene		1.24	2.48	4.95	U
88-06-2	2,4,6-Trichlorophenol		1.24	2.48	4.95	U
95-95-4	2,4,5-Trichlorophenol		1.24	2.48	4.95	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	42.40	85.7	50 - 110	
2-Fluorophenol	99.01	32.70	33.0	20 - 110	
Nitrobenzene-d5	49.50	41.63	84.1	40 - 110	
Phenol-d6	99.01	18.56	18.7	0 - 110	
Terphenyl-d14	49.50	47.81	96.6	50 - 135	
2,4,6-Tribromophenol	99.01	89.81	90.7	40 - 125	

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01	File ID:	0407401.D
Sampled:	04/11/12 15:31	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 21:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	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	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	Q, U
105-60-2	Caprolactam	3.75	1.18	2.36	4.72	Q, J
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	X, U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		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	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01	File ID:	0407401.D
Sampled:	04/11/12 15:31	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 21:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	X, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
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	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	X, 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	44.64	94.6	50 - 110	
2-Fluorophenol	94.34	29.26	31.0	20 - 110	
Nitrobenzene-d5	47.17	43.97	93.2	40 - 110	
Phenol-d6	94.34	16.60	17.6	0 - 110	
Terphenyl-d14	47.17	45.11	95.6	50 - 135	
2,4,6-Tribromophenol	94.34	88.61	93.9	40 - 125	

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03	File ID:	0407403.D
Sampled:	04/12/12 15:10	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 21:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam	3.81	1.23	2.45	4.90	Q, J
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	X, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	Q, X, 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

GW0547

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03	File ID:	0407403.D
Sampled:	04/12/12 15:10	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 21:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	X, U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	40.19	82.0	50 - 110	
2-Fluorophenol	98.04	28.09	28.7	20 - 110	
Nitrobenzene-d5	49.02	40.05	81.7	40 - 110	
Phenol-d6	98.04	15.15	15.5	0 - 110	
Terphenyl-d14	49.02	46.78	95.4	50 - 135	
2,4,6-Tribromophenol	98.04	80.05	81.6	40 - 125	

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05	File ID:	0407405.D
Sampled:	04/12/12 12:50	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 21:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	X, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	Q, X, 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

GW0548

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05	File ID:	0407405.D
Sampled:	04/12/12 12:50	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 21:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	X, U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	42.19	86.1	50 - 110	
2-Fluorophenol	98.04	29.95	30.6	20 - 110	
Nitrobenzene-d5	49.02	41.59	84.8	40 - 110	
Phenol-d6	98.04	16.28	16.6	0 - 110	
Terphenyl-d14	49.02	48.85	99.7	50 - 135	
2,4,6-Tribromophenol	98.04	90.14	91.9	40 - 125	

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07	File ID:	0407407.D
Sampled:	04/12/12 10:30	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 22:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07	File ID:	0407407.D
Sampled:	04/12/12 10:30	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 22:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	37.78	78.6	50 - 110	
2-Fluorophenol	96.15	25.02	26.0	20 - 110	
Nitrobenzene-d5	48.08	37.42	77.8	40 - 110	
Phenol-d6	96.15	13.57	14.1	0 - 110	
Terphenyl-d14	48.08	48.90	102	50 - 135	
2,4,6-Tribromophenol	96.15	83.90	87.3	40 - 125	

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09	File ID:	0407409.D
Sampled:	04/12/12 15:50	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 22:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09	File ID:	0407409.D
Sampled:	04/12/12 15:50	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 22:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	38.13	79.3	50 - 110	
2-Fluorophenol	96.15	22.72	23.6	20 - 110	
Nitrobenzene-d5	48.08	38.21	79.5	40 - 110	
Phenol-d6	96.15	13.59	14.1	0 - 110	
Terphenyl-d14	48.08	46.08	95.9	50 - 135	
2,4,6-Tribromophenol	96.15	80.59	83.8	40 - 125	

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11	File ID:	0407411.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 23:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	Q, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	X, U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	Q, X, 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

GW0577

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11	File ID:	0407411.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 23:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.23	2.45	4.90	U
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	X, U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
91-20-3	Naphthalene		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	Q, U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	X, U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.89	77.3	50 - 110	
2-Fluorophenol	98.04	26.75	27.3	20 - 110	
Nitrobenzene-d5	49.02	38.42	78.4	40 - 110	
Phenol-d6	98.04	14.63	14.9	0 - 110	
Terphenyl-d14	49.02	46.80	95.5	50 - 135	
2,4,6-Tribromophenol	98.04	81.44	83.1	40 - 125	

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13	File ID:	0407413.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 23:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	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	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	Q, U
105-60-2	Caprolactam	3.76	1.20	2.40	4.81	Q, J
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	X, U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13	File ID:	0407413.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 14:14	Analyzed:	04/17/12 23:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	38.40	79.9	50 - 110	
2-Fluorophenol	96.15	26.44	27.5	20 - 110	
Nitrobenzene-d5	48.08	37.88	78.8	40 - 110	
Phenol-d6	96.15	15.10	15.7	0 - 110	
Terphenyl-d14	48.08	51.63	107	50 - 135	
2,4,6-Tribromophenol	96.15	83.24	86.6	40 - 125	

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15	File ID:	0407415.D
Sampled:	04/12/12 13:39	Prepared:	04/16/12 14:14	Analyzed:	04/18/12 00:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	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	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	Q, U
105-60-2	Caprolactam	3.71	1.18	2.36	4.72	Q, J
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	X, U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		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	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15	File ID:	0407415.D
Sampled:	04/12/12 13:39	Prepared:	04/16/12 14:14	Analyzed:	04/18/12 00:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	2.36	4.72	X, U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
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	Q, U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	X, 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	38.80	82.3	50 - 110	
2-Fluorophenol	94.34	25.08	26.6	20 - 110	
Nitrobenzene-d5	47.17	38.11	80.8	40 - 110	
Phenol-d6	94.34	13.58	14.4	0 - 110	
Terphenyl-d14	47.17	49.44	105	50 - 135	
2,4,6-Tribromophenol	94.34	84.05	89.1	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10004	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10004-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/07/12 12:57		
2-Fluorobiphenyl	50.00	116	80 - 120	7.704	7.704	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.718	3.718	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	113	80 - 120	5.599	5.599	0.0000	+/-0.500	
Phenol-d6	100.0	104	80 - 120	4.621	4.621	0.0000	+/-0.500	
Terphenyl-d14	50.00	118	80 - 120	12.25	12.25	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	120	80 - 120	9.483	9.483	0.0000	+/-0.500	
Blank (2D06002-BLK1) ug/L				Lab File ID: D06002B1.D		Analyzed: 04/07/12 13:52		
2-Fluorobiphenyl	50.00	86.2	50 - 110	7.7	7.704	-0.0040	+/-0.500	
2-Fluorophenol	100.0	27.5	20 - 110	3.715	3.718	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	84.9	40 - 110	5.596	5.599	-0.0030	+/-0.500	
Phenol-d6	100.0	16.7	0 - 110	4.618	4.621	-0.0030	+/-0.500	
Terphenyl-d14	50.00	105	50 - 135	12.247	12.25	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	76.7	40 - 125	9.474	9.483	-0.0090	+/-0.500	
LCS (2D06002-BS1) ug/L				Lab File ID: D06002L1.D		Analyzed: 04/07/12 14:20		
2-Fluorobiphenyl	50.00	88.9	50 - 110	7.703	7.704	-0.0010	+/-0.500	
2-Fluorophenol	100.0	38.3	20 - 110	3.718	3.718	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	83.6	40 - 110	5.599	5.599	0.0000	+/-0.500	
Phenol-d6	100.0	22.4	0 - 110	4.621	4.621	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	12.25	12.25	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	95.8	40 - 125	9.477	9.483	-0.0060	+/-0.500	
LCS Dup (2D06002-BSD1) ug/L				Lab File ID: D06002L2.D		Analyzed: 04/07/12 14:47		
2-Fluorobiphenyl	50.00	92.7	50 - 110	7.7	7.704	-0.0040	+/-0.500	
2-Fluorophenol	100.0	41.5	20 - 110	3.72	3.718	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	88.4	40 - 110	5.595	5.599	-0.0040	+/-0.500	
Phenol-d6	100.0	23.3	0 - 110	4.617	4.621	-0.0040	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	12.246	12.25	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	102	40 - 125	9.479	9.483	-0.0040	+/-0.500	
GW0500 (1204038-01) ug/L				Lab File ID: 0403801.D		Analyzed: 04/07/12 15:42		
2-Fluorobiphenyl	49.02	88.7	50 - 110	7.699	7.704	-0.0050	+/-0.500	
2-Fluorophenol	98.04	34.5	20 - 110	3.714	3.718	-0.0040	+/-0.500	
Nitrobenzene-d5	49.02	82.8	40 - 110	5.595	5.599	-0.0040	+/-0.500	
Phenol-d6	98.04	18.9	0 - 110	4.617	4.621	-0.0040	+/-0.500	
Terphenyl-d14	49.02	102	50 - 135	12.251	12.25	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	92.5	40 - 125	9.478	9.483	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10004	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0501 (1204038-03) ug/L				Lab File ID: 0403803.D		Analyzed: 04/07/12 16:10		
2-Fluorobiphenyl	47.17	92.0	50 - 110	7.7	7.704	-0.0040	+/-0.500	
2-Fluorophenol	94.34	36.7	20 - 110	3.715	3.718	-0.0030	+/-0.500	
Nitrobenzene-d5	47.17	85.8	40 - 110	5.595	5.599	-0.0040	+/-0.500	
Phenol-d6	94.34	20.0	0 - 110	4.618	4.621	-0.0030	+/-0.500	
Terphenyl-d14	47.17	104	50 - 135	12.246	12.25	-0.0040	+/-0.500	
2,4,6-Tribromophenol	94.34	97.3	40 - 125	9.474	9.483	-0.0090	+/-0.500	
GW0502 (1204038-05) ug/L				Lab File ID: 0403805.D		Analyzed: 04/07/12 16:38		
2-Fluorobiphenyl	50.00	87.4	50 - 110	7.699	7.704	-0.0050	+/-0.500	
2-Fluorophenol	100.0	36.5	20 - 110	3.713	3.718	-0.0050	+/-0.500	
Nitrobenzene-d5	50.00	81.5	40 - 110	5.594	5.599	-0.0050	+/-0.500	
Phenol-d6	100.0	20.9	0 - 110	4.616	4.621	-0.0050	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	12.25	12.25	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	91.6	40 - 125	9.478	9.483	-0.0050	+/-0.500	
GW0503 (1204038-07) ug/L				Lab File ID: 0403807.D		Analyzed: 04/07/12 17:06		
2-Fluorobiphenyl	49.02	86.3	50 - 110	7.701	7.704	-0.0030	+/-0.500	
2-Fluorophenol	98.04	33.9	20 - 110	3.716	3.718	-0.0020	+/-0.500	
Nitrobenzene-d5	49.02	80.9	40 - 110	5.596	5.599	-0.0030	+/-0.500	
Phenol-d6	98.04	19.2	0 - 110	4.619	4.621	-0.0020	+/-0.500	
Terphenyl-d14	49.02	99.8	50 - 135	12.247	12.25	-0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	88.8	40 - 125	9.475	9.483	-0.0080	+/-0.500	
GW0504 (1204038-09) ug/L				Lab File ID: 0403809.D		Analyzed: 04/07/12 17:33		
2-Fluorobiphenyl	49.02	76.7	50 - 110	7.699	7.704	-0.0050	+/-0.500	
2-Fluorophenol	98.04	24.7	20 - 110	3.719	3.718	0.0010	+/-0.500	
Nitrobenzene-d5	49.02	77.0	40 - 110	5.594	5.599	-0.0050	+/-0.500	
Phenol-d6	98.04	13.2	0 - 110	4.616	4.621	-0.0050	+/-0.500	
Terphenyl-d14	49.02	102	50 - 135	12.25	12.25	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	91.0	40 - 125	9.478	9.483	-0.0050	+/-0.500	
GW0520 (1204038-11) ug/L				Lab File ID: 0403811.D		Analyzed: 04/07/12 18:01		
2-Fluorobiphenyl	47.62	66.6	50 - 110	7.701	7.704	-0.0030	+/-0.500	
2-Fluorophenol	95.24	19.1	20 - 110	3.716	3.718	-0.0020	+/-0.500	*
Nitrobenzene-d5	47.62	64.5	40 - 110	5.596	5.599	-0.0030	+/-0.500	
Phenol-d6	95.24	12.3	0 - 110	4.619	4.621	-0.0020	+/-0.500	
Terphenyl-d14	47.62	89.4	50 - 135	12.247	12.25	-0.0030	+/-0.500	
2,4,6-Tribromophenol	95.24	66.0	40 - 125	9.475	9.483	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10004	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0521 (1204038-13) ug/L				Lab File ID: 0403813.D		Analyzed: 04/07/12 18:28		
2-Fluorobiphenyl	48.08	85.6	50 - 110	7.699	7.704	-0.0050	+/-0.500	
2-Fluorophenol	96.15	30.2	20 - 110	3.719	3.718	0.0010	+/-0.500	
Nitrobenzene-d5	48.08	83.7	40 - 110	5.594	5.599	-0.0050	+/-0.500	
Phenol-d6	96.15	17.5	0 - 110	4.616	4.621	-0.0050	+/-0.500	
Terphenyl-d14	48.08	86.3	50 - 135	12.25	12.25	0.0000	+/-0.500	
2,4,6-Tribromophenol	96.15	88.0	40 - 125	9.477	9.483	-0.0060	+/-0.500	
GW0522 (1204038-15) ug/L				Lab File ID: 0403815.D		Analyzed: 04/07/12 18:55		
2-Fluorobiphenyl	49.02	68.6	50 - 110	7.699	7.704	-0.0050	+/-0.500	
2-Fluorophenol	98.04	23.5	20 - 110	3.714	3.718	-0.0040	+/-0.500	
Nitrobenzene-d5	49.02	66.8	40 - 110	5.594	5.599	-0.0050	+/-0.500	
Phenol-d6	98.04	14.0	0 - 110	4.617	4.621	-0.0040	+/-0.500	
Terphenyl-d14	49.02	87.4	50 - 135	12.245	12.25	-0.0050	+/-0.500	
2,4,6-Tribromophenol	98.04	76.4	40 - 125	9.473	9.483	-0.0100	+/-0.500	
GW0523 (1204038-17) ug/L				Lab File ID: 0403817.D		Analyzed: 04/07/12 19:23		
2-Fluorobiphenyl	49.02	73.0	50 - 110	7.699	7.704	-0.0050	+/-0.500	
2-Fluorophenol	98.04	23.2	20 - 110	3.714	3.718	-0.0040	+/-0.500	
Nitrobenzene-d5	49.02	71.2	40 - 110	5.594	5.599	-0.0050	+/-0.500	
Phenol-d6	98.04	15.0	0 - 110	4.617	4.621	-0.0040	+/-0.500	
Terphenyl-d14	49.02	88.0	50 - 135	12.25	12.25	0.0000	+/-0.500	
2,4,6-Tribromophenol	98.04	82.4	40 - 125	9.478	9.483	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10708-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/13/12 15:28		
2-Fluorobiphenyl	50.00	115	80 - 120	7.676	7.676	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	3.691	3.691	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	116	80 - 120	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	100.0	105	80 - 120	4.599	4.599	0.0000	+/-0.500	
Terphenyl-d14	50.00	117	80 - 120	12.217	12.217	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	117	80 - 120	9.45	9.45	0.0000	+/-0.500	
Blank (2D13004-BLK1) ug/L				Lab File ID: D13004B1.D		Analyzed: 04/13/12 18:40		
2-Fluorobiphenyl	50.00	89.3	50 - 110	7.671	7.676	-0.0050	+/-0.500	
2-Fluorophenol	100.0	33.4	20 - 110	3.692	3.691	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	84.7	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	100.0	20.0	0 - 110	4.594	4.599	-0.0050	+/-0.500	
Terphenyl-d14	50.00	110	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	82.4	40 - 125	9.445	9.45	-0.0050	+/-0.500	
LCS (2D13004-BS1) ug/L				Lab File ID: D13004L1.D		Analyzed: 04/13/12 19:08		
2-Fluorobiphenyl	50.00	93.7	50 - 110	7.676	7.676	0.0000	+/-0.500	
2-Fluorophenol	100.0	33.2	20 - 110	3.696	3.691	0.0050	+/-0.500	
Nitrobenzene-d5	50.00	88.7	40 - 110	5.571	5.572	-0.0010	+/-0.500	
Phenol-d6	100.0	20.3	0 - 110	4.594	4.599	-0.0050	+/-0.500	
Terphenyl-d14	50.00	110	50 - 135	12.217	12.217	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	88.0	40 - 125	9.45	9.45	0.0000	+/-0.500	
LCS Dup (2D13004-BSD1) ug/L				Lab File ID: D13004L2.D		Analyzed: 04/13/12 19:36		
2-Fluorobiphenyl	50.00	94.4	50 - 110	7.677	7.676	0.0010	+/-0.500	
2-Fluorophenol	100.0	32.7	20 - 110	3.697	3.691	0.0060	+/-0.500	
Nitrobenzene-d5	50.00	90.3	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	100.0	19.6	0 - 110	4.6	4.599	0.0010	+/-0.500	
Terphenyl-d14	50.00	108	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	89.6	40 - 125	9.45	9.45	0.0000	+/-0.500	
GW0529 (1204054-01) ug/L				Lab File ID: 0405401.D		Analyzed: 04/13/12 20:04		
2-Fluorobiphenyl	48.08	82.8	50 - 110	7.677	7.676	0.0010	+/-0.500	
2-Fluorophenol	96.15	30.6	20 - 110	3.692	3.691	0.0010	+/-0.500	
Nitrobenzene-d5	48.08	80.3	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	96.15	17.2	0 - 110	4.594	4.599	-0.0050	+/-0.500	
Terphenyl-d14	48.08	112	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	96.15	92.6	40 - 125	9.45	9.45	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0544 (1204054-03) ug/L				Lab File ID: 0405403.D		Analyzed: 04/13/12 20:31		
2-Fluorobiphenyl	52.63	80.6	50 - 110	7.672	7.676	-0.0040	+/-0.500	
2-Fluorophenol	105.3	33.8	20 - 110	3.692	3.691	0.0010	+/-0.500	
Nitrobenzene-d5	52.63	80.5	40 - 110	5.573	5.572	0.0010	+/-0.500	
Phenol-d6	105.3	20.5	0 - 110	4.595	4.599	-0.0040	+/-0.500	
Terphenyl-d14	52.63	102	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	105.3	87.2	40 - 125	9.451	9.45	0.0010	+/-0.500	
GW0545 (1204054-05) ug/L				Lab File ID: 0405405.D		Analyzed: 04/13/12 20:58		
2-Fluorobiphenyl	50.00	86.8	50 - 110	7.672	7.676	-0.0040	+/-0.500	
2-Fluorophenol	100.0	35.9	20 - 110	3.697	3.691	0.0060	+/-0.500	
Nitrobenzene-d5	50.00	87.0	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	100.0	20.8	0 - 110	4.595	4.599	-0.0040	+/-0.500	
Terphenyl-d14	50.00	109	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	95.8	40 - 125	9.445	9.45	-0.0050	+/-0.500	
GW0546 (1204054-07) ug/L				Lab File ID: 0405407.D		Analyzed: 04/13/12 21:26		
2-Fluorobiphenyl	50.00	78.8	50 - 110	7.674	7.676	-0.0020	+/-0.500	
2-Fluorophenol	100.0	30.0	20 - 110	3.694	3.691	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	76.9	40 - 110	5.569	5.572	-0.0030	+/-0.500	
Phenol-d6	100.0	17.4	0 - 110	4.592	4.599	-0.0070	+/-0.500	
Terphenyl-d14	50.00	105	50 - 135	12.22	12.217	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	87.3	40 - 125	9.448	9.45	-0.0020	+/-0.500	
GW0590 (1204054-09) ug/L				Lab File ID: 0405409.D		Analyzed: 04/13/12 21:53		
2-Fluorobiphenyl	52.63	83.9	50 - 110	7.679	7.676	0.0030	+/-0.500	
2-Fluorophenol	105.3	30.7	20 - 110	3.715	3.691	0.0240	+/-0.500	
Nitrobenzene-d5	52.63	82.7	40 - 110	5.574	5.572	0.0020	+/-0.500	
Phenol-d6	105.3	19.8	0 - 110	4.618	4.599	0.0190	+/-0.500	
Terphenyl-d14	52.63	104	50 - 135	12.22	12.217	0.0030	+/-0.500	
2,4,6-Tribromophenol	105.3	87.4	40 - 125	9.452	9.45	0.0020	+/-0.500	
GW0591 (1204054-11) ug/L				Lab File ID: 0405411.D		Analyzed: 04/13/12 22:21		
2-Fluorobiphenyl	52.63	87.2	50 - 110	7.68	7.676	0.0040	+/-0.500	
2-Fluorophenol	105.3	30.3	20 - 110	3.721	3.691	0.0300	+/-0.500	
Nitrobenzene-d5	52.63	88.6	40 - 110	5.575	5.572	0.0030	+/-0.500	
Phenol-d6	105.3	19.9	0 - 110	4.619	4.599	0.0200	+/-0.500	
Terphenyl-d14	52.63	108	50 - 135	12.221	12.217	0.0040	+/-0.500	
2,4,6-Tribromophenol	105.3	86.0	40 - 125	9.453	9.45	0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0592 (1204054-13) ug/L				Lab File ID: 0405413.D		Analyzed: 04/13/12 22:48		
2-Fluorobiphenyl	50.00	77.2	50 - 110	7.672	7.676	-0.0040	+/-0.500	
2-Fluorophenol	100.0	30.8	20 - 110	3.692	3.691	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	74.4	40 - 110	5.573	5.572	0.0010	+/-0.500	
Phenol-d6	100.0	17.6	0 - 110	4.595	4.599	-0.0040	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	88.6	40 - 125	9.446	9.45	-0.0040	+/-0.500	
GW0597 (1204054-15) ug/L				Lab File ID: 0405415.D		Analyzed: 04/13/12 23:16		
2-Fluorobiphenyl	48.08	71.5	50 - 110	7.674	7.676	-0.0020	+/-0.500	
2-Fluorophenol	96.15	25.6	20 - 110	3.694	3.691	0.0030	+/-0.500	
Nitrobenzene-d5	48.08	68.5	40 - 110	5.569	5.572	-0.0030	+/-0.500	
Phenol-d6	96.15	14.8	0 - 110	4.597	4.599	-0.0020	+/-0.500	
Terphenyl-d14	48.08	106	50 - 135	12.22	12.217	0.0030	+/-0.500	
2,4,6-Tribromophenol	96.15	81.7	40 - 125	9.447	9.45	-0.0030	+/-0.500	
GW0598 (1204054-17) ug/L				Lab File ID: 0405417.D		Analyzed: 04/13/12 23:43		
2-Fluorobiphenyl	55.56	76.0	50 - 110	7.677	7.676	0.0010	+/-0.500	
2-Fluorophenol	111.1	22.2	20 - 110	3.697	3.691	0.0060	+/-0.500	
Nitrobenzene-d5	55.56	72.0	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	111.1	16.4	0 - 110	4.594	4.599	-0.0050	+/-0.500	
Terphenyl-d14	55.56	92.3	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	111.1	56.2	40 - 125	9.445	9.45	-0.0050	+/-0.500	
GW0604 (1204054-19) ug/L				Lab File ID: 0405419.D		Analyzed: 04/14/12 00:11		
2-Fluorobiphenyl	48.54	77.4	50 - 110	7.675	7.676	-0.0010	+/-0.500	
2-Fluorophenol	97.09	27.0	20 - 110	3.695	3.691	0.0040	+/-0.500	
Nitrobenzene-d5	48.54	74.8	40 - 110	5.57	5.572	-0.0020	+/-0.500	
Phenol-d6	97.09	16.5	0 - 110	4.593	4.599	-0.0060	+/-0.500	
Terphenyl-d14	48.54	65.7	50 - 135	12.216	12.217	-0.0010	+/-0.500	
2,4,6-Tribromophenol	97.09	64.4	40 - 125	9.449	9.45	-0.0010	+/-0.500	
GW0505 (1204063-01) ug/L				Lab File ID: 0406301.D		Analyzed: 04/14/12 00:38		
2-Fluorobiphenyl	50.00	59.9	50 - 110	7.671	7.676	-0.0050	+/-0.500	
2-Fluorophenol	100.0	19.5	20 - 110	3.697	3.691	0.0060	+/-0.500	*
Nitrobenzene-d5	50.00	57.6	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	100.0	12.8	0 - 110	4.594	4.599	-0.0050	+/-0.500	
Terphenyl-d14	50.00	58.9	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	49.9	40 - 125	9.445	9.45	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0506 (1204063-03) ug/L				Lab File ID: 0406303.D		Analyzed: 04/14/12 01:06		
2-Fluorobiphenyl	49.50	86.4	50 - 110	7.675	7.676	-0.0010	+/-0.500	
2-Fluorophenol	99.01	33.4	20 - 110	3.695	3.691	0.0040	+/-0.500	
Nitrobenzene-d5	49.50	83.8	40 - 110	5.57	5.572	-0.0020	+/-0.500	
Phenol-d6	99.01	19.8	0 - 110	4.592	4.599	-0.0070	+/-0.500	
Terphenyl-d14	49.50	97.5	50 - 135	12.215	12.217	-0.0020	+/-0.500	
2,4,6-Tribromophenol	99.01	89.6	40 - 125	9.448	9.45	-0.0020	+/-0.500	
GW0510 (1204063-05) ug/L				Lab File ID: 0406305.D		Analyzed: 04/14/12 01:33		
2-Fluorobiphenyl	50.00	81.5	50 - 110	7.672	7.676	-0.0040	+/-0.500	
2-Fluorophenol	100.0	29.3	20 - 110	3.692	3.691	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	79.3	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	100.0	18.6	0 - 110	4.595	4.599	-0.0040	+/-0.500	
Terphenyl-d14	50.00	90.7	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	80.6	40 - 125	9.445	9.45	-0.0050	+/-0.500	
GW0596 (1204063-07) ug/L				Lab File ID: 0406307.D		Analyzed: 04/14/12 02:01		
2-Fluorobiphenyl	50.00	72.2	50 - 110	7.673	7.676	-0.0030	+/-0.500	
2-Fluorophenol	100.0	27.0	20 - 110	3.693	3.691	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	70.2	40 - 110	5.568	5.572	-0.0040	+/-0.500	
Phenol-d6	100.0	16.5	0 - 110	4.596	4.599	-0.0030	+/-0.500	
Terphenyl-d14	50.00	81.6	50 - 135	12.219	12.217	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	80.4	40 - 125	9.446	9.45	-0.0040	+/-0.500	
GW0605 (1204063-09) ug/L				Lab File ID: 0406309.D		Analyzed: 04/14/12 02:28		
2-Fluorobiphenyl	49.50	85.7	50 - 110	7.677	7.676	0.0010	+/-0.500	
2-Fluorophenol	99.01	33.0	20 - 110	3.692	3.691	0.0010	+/-0.500	
Nitrobenzene-d5	49.50	84.1	40 - 110	5.572	5.572	0.0000	+/-0.500	
Phenol-d6	99.01	18.7	0 - 110	4.594	4.599	-0.0050	+/-0.500	
Terphenyl-d14	49.50	96.6	50 - 135	12.218	12.217	0.0010	+/-0.500	
2,4,6-Tribromophenol	99.01	90.7	40 - 125	9.445	9.45	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10909	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10909-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/17/12 14:35		
2-Fluorobiphenyl	50.00	113	80 - 120	7.674	7.674	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	3.694	3.694	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	117	80 - 120	5.574	5.574	0.0000	+/-0.500	
Phenol-d6	100.0	104	80 - 120	4.602	4.602	0.0000	+/-0.500	
Terphenyl-d14	50.00	117	80 - 120	12.214	12.214	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	119	80 - 120	9.453	9.453	0.0000	+/-0.500	
Blank (2D13010-BLK1) ug/L				Lab File ID: D13010B1.D		Analyzed: 04/17/12 15:30		
2-Fluorobiphenyl	50.00	95.6	50 - 110	7.671	7.674	-0.0030	+/-0.500	
2-Fluorophenol	100.0	33.5	20 - 110	3.691	3.694	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	93.8	40 - 110	5.566	5.574	-0.0080	+/-0.500	
Phenol-d6	100.0	18.3	0 - 110	4.594	4.602	-0.0080	+/-0.500	
Terphenyl-d14	50.00	118	50 - 135	12.217	12.214	0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	98.9	40 - 125	9.444	9.453	-0.0090	+/-0.500	
LCS (2D13010-BS1) ug/L				Lab File ID: D13010L1.D		Analyzed: 04/17/12 15:57		
2-Fluorobiphenyl	50.00	97.3	50 - 110	7.674	7.674	0.0000	+/-0.500	
2-Fluorophenol	100.0	37.3	20 - 110	3.694	3.694	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	96.8	40 - 110	5.569	5.574	-0.0050	+/-0.500	
Phenol-d6	100.0	19.8	0 - 110	4.597	4.602	-0.0050	+/-0.500	
Terphenyl-d14	50.00	111	50 - 135	12.215	12.214	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	108	40 - 125	9.448	9.453	-0.0050	+/-0.500	
LCS Dup (2D13010-BSD1) ug/L				Lab File ID: D13010L2.D		Analyzed: 04/17/12 16:25		
2-Fluorobiphenyl	50.00	93.8	50 - 110	7.677	7.674	0.0030	+/-0.500	
2-Fluorophenol	100.0	34.1	20 - 110	3.692	3.694	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	92.2	40 - 110	5.572	5.574	-0.0020	+/-0.500	
Phenol-d6	100.0	18.8	0 - 110	4.595	4.602	-0.0070	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	12.212	12.214	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	102	40 - 125	9.451	9.453	-0.0020	+/-0.500	
GW0527 (1204074-01) ug/L				Lab File ID: 0407401.D		Analyzed: 04/17/12 21:02		
2-Fluorobiphenyl	47.17	94.6	50 - 110	7.673	7.674	-0.0010	+/-0.500	
2-Fluorophenol	94.34	31.0	20 - 110	3.693	3.694	-0.0010	+/-0.500	
Nitrobenzene-d5	47.17	93.2	40 - 110	5.568	5.574	-0.0060	+/-0.500	
Phenol-d6	94.34	17.6	0 - 110	4.596	4.602	-0.0060	+/-0.500	
Terphenyl-d14	47.17	95.6	50 - 135	12.213	12.214	-0.0010	+/-0.500	
2,4,6-Tribromophenol	94.34	93.9	40 - 125	9.446	9.453	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10909	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0547 (1204074-03) ug/L				Lab File ID: 0407403.D		Analyzed: 04/17/12 21:29		
2-Fluorobiphenyl	49.02	82.0	50 - 110	7.669	7.674	-0.0050	+/-0.500	
2-Fluorophenol	98.04	28.7	20 - 110	3.694	3.694	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	81.7	40 - 110	5.57	5.574	-0.0040	+/-0.500	
Phenol-d6	98.04	15.5	0 - 110	4.592	4.602	-0.0100	+/-0.500	
Terphenyl-d14	49.02	95.4	50 - 135	12.215	12.214	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	81.6	40 - 125	9.443	9.453	-0.0100	+/-0.500	
GW0548 (1204074-05) ug/L				Lab File ID: 0407405.D		Analyzed: 04/17/12 21:57		
2-Fluorobiphenyl	49.02	86.1	50 - 110	7.674	7.674	0.0000	+/-0.500	
2-Fluorophenol	98.04	30.6	20 - 110	3.694	3.694	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	84.8	40 - 110	5.569	5.574	-0.0050	+/-0.500	
Phenol-d6	98.04	16.6	0 - 110	4.592	4.602	-0.0100	+/-0.500	
Terphenyl-d14	49.02	99.7	50 - 135	12.215	12.214	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	91.9	40 - 125	9.448	9.453	-0.0050	+/-0.500	
GW0549 (1204074-07) ug/L				Lab File ID: 0407407.D		Analyzed: 04/17/12 22:25		
2-Fluorobiphenyl	48.08	78.6	50 - 110	7.671	7.674	-0.0030	+/-0.500	
2-Fluorophenol	96.15	26.0	20 - 110	3.692	3.694	-0.0020	+/-0.500	
Nitrobenzene-d5	48.08	77.8	40 - 110	5.567	5.574	-0.0070	+/-0.500	
Phenol-d6	96.15	14.1	0 - 110	4.594	4.602	-0.0080	+/-0.500	
Terphenyl-d14	48.08	102	50 - 135	12.212	12.214	-0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	87.3	40 - 125	9.445	9.453	-0.0080	+/-0.500	
GW0576 (1204074-09) ug/L				Lab File ID: 0407409.D		Analyzed: 04/17/12 22:52		
2-Fluorobiphenyl	48.08	79.3	50 - 110	7.674	7.674	0.0000	+/-0.500	
2-Fluorophenol	96.15	23.6	20 - 110	3.694	3.694	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	79.5	40 - 110	5.569	5.574	-0.0050	+/-0.500	
Phenol-d6	96.15	14.1	0 - 110	4.597	4.602	-0.0050	+/-0.500	
Terphenyl-d14	48.08	95.9	50 - 135	12.215	12.214	0.0010	+/-0.500	
2,4,6-Tribromophenol	96.15	83.8	40 - 125	9.448	9.453	-0.0050	+/-0.500	
GW0577 (1204074-11) ug/L				Lab File ID: 0407411.D		Analyzed: 04/17/12 23:20		
2-Fluorobiphenyl	49.02	77.3	50 - 110	7.671	7.674	-0.0030	+/-0.500	
2-Fluorophenol	98.04	27.3	20 - 110	3.691	3.694	-0.0030	+/-0.500	
Nitrobenzene-d5	49.02	78.4	40 - 110	5.566	5.574	-0.0080	+/-0.500	
Phenol-d6	98.04	14.9	0 - 110	4.594	4.602	-0.0080	+/-0.500	
Terphenyl-d14	49.02	95.5	50 - 135	12.212	12.214	-0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	83.1	40 - 125	9.445	9.453	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10909	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0578 (1204074-13) ug/L				Lab File ID: 0407413.D		Analyzed: 04/17/12 23:48		
2-Fluorobiphenyl	48.08	79.9	50 - 110	7.673	7.674	-0.0010	+/-0.500	
2-Fluorophenol	96.15	27.5	20 - 110	3.693	3.694	-0.0010	+/-0.500	
Nitrobenzene-d5	48.08	78.8	40 - 110	5.569	5.574	-0.0050	+/-0.500	
Phenol-d6	96.15	15.7	0 - 110	4.591	4.602	-0.0110	+/-0.500	
Terphenyl-d14	48.08	107	50 - 135	12.214	12.214	0.0000	+/-0.500	
2,4,6-Tribromophenol	96.15	86.6	40 - 125	9.447	9.453	-0.0060	+/-0.500	
GW0579 (1204074-15) ug/L				Lab File ID: 0407415.D		Analyzed: 04/18/12 00:15		
2-Fluorobiphenyl	47.17	82.3	50 - 110	7.671	7.674	-0.0030	+/-0.500	
2-Fluorophenol	94.34	26.6	20 - 110	3.691	3.694	-0.0030	+/-0.500	
Nitrobenzene-d5	47.17	80.8	40 - 110	5.566	5.574	-0.0080	+/-0.500	
Phenol-d6	94.34	14.4	0 - 110	4.594	4.602	-0.0080	+/-0.500	
Terphenyl-d14	47.17	105	50 - 135	12.212	12.214	-0.0020	+/-0.500	
2,4,6-Tribromophenol	94.34	89.1	40 - 125	9.445	9.453	-0.0080	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06002	Laboratory ID:	2D06002-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	49.00	40.12	81.9	45 - 110
Acenaphthylene	49.00	41.27	84.2	50 - 105
Acetophenone	50.00	38.51	77.0	50 - 110
Anthracene	49.00	44.10	90.0	55 - 110
Atrazine	50.00	44.32	88.6	70 - 115
Benzaldehyde	50.00	37.63	75.3	10 - 180
Benzidine	50.00	15.03	30.1	0 - 200
Benzo(a)anthracene	49.00	46.43	94.8	55 - 110
Benzo(a)pyrene	49.00	46.33	94.5	55 - 110
Benzo(b)fluoranthene	49.00	48.83	99.6	45 - 120
Benzo(g,h,i)perylene	49.00	45.02	91.9	40 - 125
Benzoic acid	100.0	16.80	16.8	0 - 125
Benzo(k)fluoranthene	49.00	42.58	86.9	45 - 125
1,1-Biphenyl	50.00	41.44	82.9	50 - 110
4-Bromophenyl-phenylether	49.00	45.26	92.4	50 - 115
Butylbenzylphthalate	49.00	55.11	112	45 - 115
Caprolactam	**50.00**	**9.906**	**19.8**	**20 - 110**
Carbazole	47.00	41.56	88.4	50 - 115
4-Chloro-3-methylphenol	100.0	79.74	79.7	45 - 110
4-Chloroaniline	47.00	35.98	76.5	15 - 110
Bis(2-chloroethoxy)methane	49.00	40.35	82.3	45 - 105
Bis(2-chloroethyl)ether	49.00	36.87	75.3	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	34.22	69.8	25 - 130
2-Chloronaphthalene	49.00	39.88	81.4	50 - 105
2-Chlorophenol	100.0	66.63	66.6	35 - 105
4-Chlorophenyl phenyl ether	49.00	43.98	89.8	50 - 110
Chrysene	49.00	46.75	95.4	55 - 110
Dibenz(a,h)anthracene	49.00	46.17	94.2	40 - 125
Dibenzofuran	49.00	41.76	85.2	55 - 105
Di-n-butylphthalate	49.00	48.79	99.6	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06002	Laboratory ID:	2D06002-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	48.78	97.6	20 - 110
2,4-Dichlorophenol	100.0	77.26	77.3	40 - 110
Diethylphthalate	49.00	46.84	95.6	40 - 120
2,4-Dimethylphenol	100.0	76.49	76.5	30 - 110
Dimethyl phthalate	49.00	46.17	94.2	25 - 125
4,6-Dinitro-2-methylphenol	100.0	92.22	92.2	40 - 130
2,4-Dinitrophenol	100.0	93.29	93.3	15 - 140
2,4-Dinitrotoluene	49.00	48.84	99.7	50 - 120
2,6-Dinitrotoluene	49.00	44.49	90.8	50 - 115
Di-n-octylphthalate	49.00	53.87	110	35 - 135
1,2-Diphenylhydrazine	47.00	38.82	82.6	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	55.15	113	40 - 125
Fluoranthene	49.00	44.74	91.3	55 - 115
Fluorene	49.00	43.29	88.3	50 - 110
Hexachlorobenzene	49.00	43.30	88.4	50 - 110
Hexachlorobutadiene	49.00	38.07	77.7	25 - 105
Hexachlorocyclopentadiene	49.00	44.09	90.0	10 - 110
Hexachloroethane	49.00	31.90	65.1	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	46.97	95.8	45 - 125
Isophorone	49.00	37.09	75.7	50 - 110
1-Methylnaphthalene	50.00	39.58	79.2	30 - 115
2-Methylnaphthalene	49.00	38.78	79.2	45 - 105
2-Methylphenol	100.0	55.00	55.0	40 - 110
3-Methylphenol/4-Methylphenol	100.0	49.74	49.7	30 - 110
Naphthalene	49.00	37.61	76.8	40 - 100
4-Nitroaniline	47.00	46.30	98.5	35 - 120
3-Nitroaniline	47.00	39.28	83.6	20 - 125
2-Nitroaniline	47.00	44.51	94.7	50 - 115
Nitrobenzene	49.00	37.13	75.8	30 - 110
4-Nitrophenol	100.0	27.80	27.8	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06002	Laboratory ID:	2D06002-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	84.19	84.2	40 - 115
N-Nitrosodiphenylamine	49.00	36.42	74.3	50 - 110
N-Nitroso-di-n-propylamine	49.00	40.06	81.7	35 - 130
Pentachlorophenol	100.0	81.86	81.9	40 - 115
Phenanthrene	49.00	43.67	89.1	50 - 115
Phenol	100.0	22.45	22.4	0 - 115
Pyrene	49.00	44.55	90.9	50 - 130
2,4,6-Trichlorophenol	100.0	83.91	83.9	50 - 115
2,4,5-Trichlorophenol	100.0	88.56	88.6	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	42.81	87.4	6.48	30	45 - 110
Acenaphthylene	49.00	44.56	90.9	7.66	30	50 - 105
Acetophenone	50.00	42.16	84.3	9.03	30	50 - 110
Anthracene	49.00	44.84	91.5	1.66	30	55 - 110
Atrazine	50.00	46.08	92.2	3.88	30	70 - 115
Benzaldehyde	50.00	40.30	80.6	6.86	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	49.00	46.41	94.7	0.0364	30	55 - 110
Benzo(a)pyrene	49.00	47.68	97.3	2.88	30	55 - 110
Benzo(b)fluoranthene	49.00	50.75	104	3.85	30	45 - 120
Benzo(g,h,i)perylene	49.00	46.29	94.5	2.79	30	40 - 125
Benzoic acid	100.0	21.52	21.5	24.7	30	0 - 125
Benzo(k)fluoranthene	49.00	43.11	88.0	1.24	30	45 - 125
1,1-Biphenyl	50.00	44.29	88.6	6.64	30	50 - 110
4-Bromophenyl-phenylether	49.00	45.98	93.8	1.59	30	50 - 115
Butylbenzylphthalate	49.00	54.81	112	0.547	30	45 - 115
Caprolactam	50.00	10.47	20.9	5.52	30	20 - 110
Carbazole	47.00	42.31	90.0	1.78	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06002	Laboratory ID:	2D06002-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	100.0	82.50	82.5	3.40	30	45 - 110
4-Chloroaniline	47.00	38.31	81.5	6.27	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	43.22	88.2	6.87	30	45 - 105
Bis(2-chloroethyl)ether	49.00	39.32	80.3	6.43	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	36.27	74.0	5.84	30	25 - 130
2-Chloronaphthalene	49.00	42.77	87.3	7.02	30	50 - 105
2-Chlorophenol	100.0	72.02	72.0	7.78	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	45.85	93.6	4.16	30	50 - 110
Chrysene	49.00	46.81	95.5	0.125	30	55 - 110
Dibenz(a,h)anthracene	49.00	48.89	99.8	5.71	30	40 - 125
Dibenzofuran	49.00	44.08	90.0	5.40	30	55 - 105
Di-n-butylphthalate	49.00	50.19	102	2.83	30	55 - 115
3,3'-Dichlorobenzidine	50.00	48.91	97.8	0.260	30	20 - 110
2,4-Dichlorophenol	100.0	83.58	83.6	7.86	30	40 - 110
Diethylphthalate	49.00	47.70	97.4	1.83	30	40 - 120
2,4-Dimethylphenol	100.0	81.49	81.5	6.33	30	30 - 110
Dimethyl phthalate	49.00	47.59	97.1	3.01	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	103.4	103	11.4	30	40 - 130
2,4-Dinitrophenol	100.0	104.5	105	11.4	30	15 - 140
2,4-Dinitrotoluene	49.00	50.25	103	2.84	30	50 - 120
2,6-Dinitrotoluene	49.00	47.36	96.7	6.24	30	50 - 115
Di-n-octylphthalate	49.00	54.45	111	1.07	30	35 - 135
1,2-Diphenylhydrazine	47.00	39.34	83.7	1.33	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	55.57	113	0.751	30	40 - 125
Fluoranthene	49.00	45.35	92.6	1.36	30	55 - 115
Fluorene	49.00	44.85	91.5	3.55	30	50 - 110
Hexachlorobenzene	49.00	44.52	90.9	2.78	30	50 - 110
Hexachlorobutadiene	49.00	40.77	83.2	6.86	30	25 - 105
Hexachlorocyclopentadiene	49.00	46.46	94.8	5.24	30	10 - 110
Hexachloroethane	49.00	34.70	70.8	8.40	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06002	Laboratory ID:	2D06002-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	49.00	47.97	97.9	2.12	30	45 - 125
Isophorone	49.00	39.44	80.5	6.16	30	50 - 110
1-Methylnaphthalene	50.00	41.23	82.5	4.08	30	30 - 115
2-Methylnaphthalene	49.00	40.61	82.9	4.60	30	45 - 105
2-Methylphenol	100.0	57.99	58.0	5.30	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	52.92	52.9	6.18	30	30 - 110
Naphthalene	49.00	39.77	81.2	5.59	30	40 - 100
4-Nitroaniline	47.00	46.12	98.1	0.395	30	35 - 120
3-Nitroaniline	47.00	40.10	85.3	2.07	30	20 - 125
2-Nitroaniline	47.00	45.84	97.5	2.95	30	50 - 115
Nitrobenzene	49.00	39.00	79.6	4.91	30	30 - 110
4-Nitrophenol	100.0	29.83	29.8	7.03	30	0 - 125
2-Nitrophenol	100.0	91.22	91.2	8.02	30	40 - 115
N-Nitrosodiphenylamine	49.00	37.31	76.2	2.42	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	42.41	86.5	5.70	30	35 - 130
Pentachlorophenol	100.0	93.20	93.2	13.0	30	40 - 115
Phenanthrene	49.00	44.99	91.8	2.98	30	50 - 115
Phenol	100.0	23.79	23.8	5.81	30	0 - 115
Pyrene	49.00	44.92	91.7	0.815	30	50 - 130
2,4,6-Trichlorophenol	100.0	94.10	94.1	11.4	30	50 - 115
2,4,5-Trichlorophenol	100.0	96.77	96.8	8.86	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13004	Laboratory ID:	2D13004-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	49.00	43.55	88.9	45 - 110
Acenaphthylene	49.00	44.90	91.6	50 - 105
Acetophenone	50.00	42.09	84.2	50 - 110
Anthracene	49.00	47.06	96.0	55 - 110
Atrazine	50.00	47.35	94.7	70 - 115
Benzaldehyde	50.00	40.46	80.9	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	49.38	101	55 - 110
Benzo(a)pyrene	49.00	49.93	102	55 - 110
Benzo(b)fluoranthene	49.00	50.25	103	45 - 120
Benzo(g,h,i)perylene	49.00	48.52	99.0	40 - 125
Benzoic acid	100.0	15.34	15.3	0 - 125
Benzo(k)fluoranthene	49.00	47.59	97.1	45 - 125
1,1-Biphenyl	50.00	45.28	90.6	50 - 110
4-Bromophenyl-phenylether	49.00	48.28	98.5	50 - 115
Butylbenzylphthalate	**49.00**	**56.81**	**116**	**45 - 115**
Caprolactam	50.00	10.83	21.7	20 - 110
Carbazole	47.00	45.04	95.8	50 - 115
4-Chloro-3-methylphenol	100.0	83.46	83.5	45 - 110
4-Chloroaniline	47.00	39.28	83.6	15 - 110
Bis(2-chloroethoxy)methane	49.00	43.79	89.4	45 - 105
Bis(2-chloroethyl)ether	49.00	39.59	80.8	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	37.56	76.7	25 - 130
2-Chloronaphthalene	49.00	43.06	87.9	50 - 105
2-Chlorophenol	100.0	64.76	64.8	35 - 105
4-Chlorophenyl phenyl ether	49.00	47.09	96.1	50 - 110
Chrysene	49.00	49.60	101	55 - 110
Dibenz(a,h)anthracene	49.00	48.75	99.5	40 - 125
Dibenzofuran	49.00	45.53	92.9	55 - 105
Di-n-butylphthalate	49.00	51.29	105	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13004	Laboratory ID:	2D13004-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	51.12	102	20 - 110
2,4-Dichlorophenol	100.0	77.07	77.1	40 - 110
Diethylphthalate	49.00	48.21	98.4	40 - 120
2,4-Dimethylphenol	100.0	81.84	81.8	30 - 110
Dimethyl phthalate	49.00	49.18	100	25 - 125
4,6-Dinitro-2-methylphenol	100.0	80.70	80.7	40 - 130
2,4-Dinitrophenol	100.0	83.08	83.1	15 - 140
2,4-Dinitrotoluene	49.00	51.42	105	50 - 120
2,6-Dinitrotoluene	49.00	48.12	98.2	50 - 115
Di-n-octylphthalate	49.00	55.24	113	35 - 135
1,2-Diphenylhydrazine	47.00	41.35	88.0	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	56.48	115	40 - 125
Fluoranthene	49.00	48.04	98.0	55 - 115
Fluorene	49.00	45.87	93.6	50 - 110
Hexachlorobenzene	49.00	46.40	94.7	50 - 110
Hexachlorobutadiene	49.00	41.29	84.3	25 - 105
Hexachlorocyclopentadiene	49.00	44.94	91.7	10 - 110
Hexachloroethane	49.00	33.01	67.4	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	50.14	102	45 - 125
Isophorone	49.00	39.72	81.1	50 - 110
1-Methylnaphthalene	50.00	43.54	87.1	30 - 115
2-Methylnaphthalene	49.00	42.45	86.6	45 - 105
2-Methylphenol	100.0	56.32	56.3	40 - 110
3-Methylphenol/4-Methylphenol	100.0	51.37	51.4	30 - 110
Naphthalene	49.00	41.13	83.9	40 - 100
4-Nitroaniline	47.00	48.42	103	35 - 120
3-Nitroaniline	47.00	41.96	89.3	20 - 125
2-Nitroaniline	47.00	47.41	101	50 - 115
Nitrobenzene	49.00	39.58	80.8	30 - 110
4-Nitrophenol	100.0	22.48	22.5	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13004	Laboratory ID:	2D13004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	82.52	82.5	40 - 115
N-Nitrosodiphenylamine	49.00	38.79	79.2	50 - 110
N-Nitroso-di-n-propylamine	49.00	41.92	85.6	35 - 130
Pentachlorophenol	100.0	75.49	75.5	40 - 115
Phenanthrene	49.00	47.14	96.2	50 - 115
Phenol	100.0	20.97	21.0	0 - 115
Pyrene	49.00	48.14	98.2	50 - 130
2,4,6-Trichlorophenol	100.0	79.50	79.5	50 - 115
2,4,5-Trichlorophenol	100.0	87.16	87.2	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	44.46	90.7	2.06	30	45 - 110
Acenaphthylene	49.00	45.25	92.3	0.774	30	50 - 105
Acetophenone	50.00	42.94	85.9	2.01	30	50 - 110
Anthracene	49.00	46.82	95.6	0.496	30	55 - 110
Atrazine	50.00	47.48	95.0	0.266	30	70 - 115
Benzaldehyde	50.00	42.11	84.2	3.99	30	10 - 180
Benzidine	50.00	14.03	28.1	12.6	30	0 - 200
Benzo(a)anthracene	49.00	48.76	99.5	1.26	30	55 - 110
Benzo(a)pyrene	49.00	48.42	98.8	3.08	30	55 - 110
Benzo(b)fluoranthene	49.00	49.61	101	1.27	30	45 - 120
Benzo(g,h,i)perylene	49.00	48.27	98.5	0.516	30	40 - 125
Benzoic acid	100.0	16.14	16.1	5.06	30	0 - 125
Benzo(k)fluoranthene	49.00	45.94	93.8	3.53	30	45 - 125
1,1-Biphenyl	50.00	44.70	89.4	1.30	30	50 - 110
4-Bromophenyl-phenylether	49.00	49.00	100	1.47	30	50 - 115
Butylbenzylphthalate	**49.00**	**58.06**	**118 ***	**2.17**	**30**	**45 - 115**
Caprolactam	50.00	10.66	21.3	1.57	30	20 - 110
Carbazole	47.00	44.30	94.2	1.67	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13004	Laboratory ID:	2D13004-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	100.0	84.30	84.3	0.995	30	45 - 110
4-Chloroaniline	47.00	39.72	84.5	1.11	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	45.21	92.3	3.19	30	45 - 105
Bis(2-chloroethyl)ether	49.00	40.46	82.6	2.19	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	38.23	78.0	1.75	30	25 - 130
2-Chloronaphthalene	49.00	43.28	88.3	0.512	30	50 - 105
2-Chlorophenol	100.0	66.76	66.8	3.05	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	46.90	95.7	0.396	30	50 - 110
Chrysene	49.00	48.54	99.1	2.16	30	55 - 110
Dibenz(a,h)anthracene	49.00	49.05	100	0.608	30	40 - 125
Dibenzofuran	49.00	45.65	93.2	0.283	30	55 - 105
Di-n-butylphthalate	49.00	50.94	104	0.679	30	55 - 115
3,3'-Dichlorobenzidine	50.00	52.04	104	1.78	30	20 - 110
2,4-Dichlorophenol	100.0	79.56	79.6	3.18	30	40 - 110
Diethylphthalate	49.00	49.44	101	2.52	30	40 - 120
2,4-Dimethylphenol	100.0	82.98	83.0	1.37	30	30 - 110
Dimethyl phthalate	49.00	49.06	100	0.251	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	85.73	85.7	6.04	30	40 - 130
2,4-Dinitrophenol	100.0	90.73	90.7	8.81	30	15 - 140
2,4-Dinitrotoluene	49.00	52.46	107	2.01	30	50 - 120
2,6-Dinitrotoluene	49.00	49.27	101	2.35	30	50 - 115
Di-n-octylphthalate	49.00	54.90	112	0.616	30	35 - 135
1,2-Diphenylhydrazine	47.00	41.52	88.3	0.405	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	57.58	118	1.92	30	40 - 125
Fluoranthene	49.00	47.02	96.0	2.13	30	55 - 115
Fluorene	49.00	46.18	94.2	0.683	30	50 - 110
Hexachlorobenzene	49.00	45.81	93.5	1.28	30	50 - 110
Hexachlorobutadiene	49.00	42.92	87.6	3.87	30	25 - 105
Hexachlorocyclopentadiene	49.00	46.64	95.2	3.72	30	10 - 110
Hexachloroethane	49.00	35.62	72.7	7.61	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13004	Laboratory ID:	2D13004-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	49.00	49.77	102	0.736	30	45 - 125
Isophorone	49.00	41.72	85.1	4.91	30	50 - 110
1-Methylnaphthalene	50.00	44.17	88.3	1.43	30	30 - 115
2-Methylnaphthalene	49.00	43.75	89.3	3.01	30	45 - 105
2-Methylphenol	100.0	56.97	57.0	1.15	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	50.83	50.8	1.04	30	30 - 110
Naphthalene	49.00	41.99	85.7	2.07	30	40 - 100
4-Nitroaniline	47.00	49.52	105	2.24	30	35 - 120
3-Nitroaniline	47.00	42.41	90.2	1.06	30	20 - 125
2-Nitroaniline	47.00	47.11	100	0.641	30	50 - 115
Nitrobenzene	49.00	41.24	84.2	4.12	30	30 - 110
4-Nitrophenol	100.0	22.44	22.4	0.170	30	0 - 125
2-Nitrophenol	100.0	87.75	87.8	6.15	30	40 - 115
N-Nitrosodiphenylamine	49.00	38.98	79.6	0.483	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	44.15	90.1	5.17	30	35 - 130
Pentachlorophenol	100.0	77.68	77.7	2.85	30	40 - 115
Phenanthrene	49.00	46.31	94.5	1.78	30	50 - 115
Phenol	100.0	20.28	20.3	3.37	30	0 - 115
Pyrene	49.00	48.07	98.1	0.127	30	50 - 130
2,4,6-Trichlorophenol	100.0	81.67	81.7	2.69	30	50 - 115
2,4,5-Trichlorophenol	100.0	89.32	89.3	2.46	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13010	Laboratory ID:	2D13010-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	49.00	44.00	89.8	45 - 110
Acenaphthylene	49.00	45.23	92.3	50 - 105
Acetophenone	50.00	45.19	90.4	50 - 110
Anthracene	49.00	46.93	95.8	55 - 110
Atrazine	50.00	48.53	97.1	70 - 115
Benzaldehyde	50.00	43.28	86.6	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	48.19	98.3	55 - 110
Benzo(a)pyrene	49.00	48.52	99.0	55 - 110
Benzo(b)fluoranthene	49.00	49.76	102	45 - 120
Benzo(g,h,i)perylene	49.00	48.52	99.0	40 - 125
Benzoic acid	100.0	17.14	17.1	0 - 125
Benzo(k)fluoranthene	49.00	45.69	93.2	45 - 125
1,1-Biphenyl	50.00	45.41	90.8	50 - 110
4-Bromophenyl-phenylether	49.00	50.07	102	50 - 115
Butylbenzylphthalate	**49.00**	**56.82**	**116**	**45 - 115**
Caprolactam	**50.00**	**9.930**	**19.9**	**20 - 110**
Carbazole	47.00	44.27	94.2	50 - 115
4-Chloro-3-methylphenol	100.0	87.65	87.7	45 - 110
4-Chloroaniline	47.00	37.98	80.8	15 - 110
Bis(2-chloroethoxy)methane	49.00	46.48	94.9	45 - 105
Bis(2-chloroethyl)ether	49.00	41.93	85.6	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	38.89	79.4	25 - 130
2-Chloronaphthalene	49.00	43.86	89.5	50 - 105
2-Chlorophenol	100.0	72.97	73.0	35 - 105
4-Chlorophenyl phenyl ether	49.00	48.03	98.0	50 - 110
Chrysene	49.00	47.54	97.0	55 - 110
Dibenz(a,h)anthracene	49.00	50.53	103	40 - 125
Dibenzofuran	49.00	45.52	92.9	55 - 105
Di-n-butylphthalate	49.00	51.08	104	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13010	Laboratory ID:	2D13010-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	49.79	99.6	20 - 110
2,4-Dichlorophenol	100.0	89.68	89.7	40 - 110
Diethylphthalate	49.00	49.80	102	40 - 120
2,4-Dimethylphenol	100.0	84.49	84.5	30 - 110
Dimethyl phthalate	49.00	49.39	101	25 - 125
4,6-Dinitro-2-methylphenol	100.0	110.7	111	40 - 130
2,4-Dinitrophenol	100.0	104.7	105	15 - 140
2,4-Dinitrotoluene	49.00	53.64	109	50 - 120
2,6-Dinitrotoluene	49.00	49.69	101	50 - 115
Di-n-octylphthalate	49.00	54.33	111	35 - 135
1,2-Diphenylhydrazine	47.00	43.09	91.7	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	55.23	113	40 - 125
Fluoranthene	49.00	47.35	96.6	55 - 115
Fluorene	49.00	46.72	95.3	50 - 110
Hexachlorobenzene	49.00	46.68	95.3	50 - 110
Hexachlorobutadiene	49.00	43.17	88.1	25 - 105
Hexachlorocyclopentadiene	49.00	47.29	96.5	10 - 110
Hexachloroethane	49.00	36.52	74.5	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	50.53	103	45 - 125
Isophorone	49.00	43.18	88.1	50 - 110
1-Methylnaphthalene	50.00	45.12	90.2	30 - 115
2-Methylnaphthalene	49.00	43.84	89.5	45 - 105
2-Methylphenol	100.0	56.35	56.3	40 - 110
3-Methylphenol/4-Methylphenol	100.0	50.44	50.4	30 - 110
Naphthalene	49.00	42.47	86.7	40 - 100
4-Nitroaniline	47.00	46.99	100	35 - 120
3-Nitroaniline	47.00	38.78	82.5	20 - 125
2-Nitroaniline	47.00	48.65	104	50 - 115
Nitrobenzene	49.00	42.98	87.7	30 - 110
4-Nitrophenol	100.0	26.83	26.8	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13010	Laboratory ID:	2D13010-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	100.0	100.7	101	40 - 115
N-Nitrosodiphenylamine	49.00	39.73	81.1	50 - 110
N-Nitroso-di-n-propylamine	49.00	45.64	93.1	35 - 130
Pentachlorophenol	100.0	99.06	99.1	40 - 115
Phenanthrene	49.00	47.07	96.1	50 - 115
Phenol	100.0	20.33	20.3	0 - 115
Pyrene	49.00	46.65	95.2	50 - 130
2,4,6-Trichlorophenol	100.0	97.68	97.7	50 - 115
2,4,5-Trichlorophenol	100.0	101.9	102	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	43.34	88.4	1.52	30	45 - 110
Acenaphthylene	49.00	44.28	90.4	2.13	30	50 - 105
Acetophenone	50.00	43.46	86.9	3.89	30	50 - 110
Anthracene	49.00	45.19	92.2	3.77	30	55 - 110
Atrazine	50.00	47.20	94.4	2.77	30	70 - 115
Benzaldehyde	50.00	42.16	84.3	2.63	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	49.00	47.28	96.5	1.90	30	55 - 110
Benzo(a)pyrene	49.00	47.38	96.7	2.39	30	55 - 110
Benzo(b)fluoranthene	49.00	50.50	103	1.47	30	45 - 120
Benzo(g,h,i)perylene	49.00	47.64	97.2	1.82	30	40 - 125
Benzoic acid	100.0	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	49.00	43.58	88.9	4.73	30	45 - 125
1,1-Biphenyl	50.00	45.01	90.0	0.873	30	50 - 110
4-Bromophenyl-phenylether	49.00	47.61	97.2	5.02	30	50 - 115
Butylbenzylphthalate	49.00	55.48	113	2.38	30	45 - 115
Caprolactam	50.00	10.21	20.4	2.78	30	20 - 110
Carbazole	47.00	42.71	90.9	3.60	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13010	Laboratory ID:	2D13010-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	100.0	83.16	83.2	5.26	30	45 - 110
4-Chloroaniline	47.00	36.73	78.2	3.35	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	45.04	91.9	3.15	30	45 - 105
Bis(2-chloroethyl)ether	49.00	39.39	80.4	6.25	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	37.23	76.0	4.35	30	25 - 130
2-Chloronaphthalene	49.00	42.43	86.6	3.31	30	50 - 105
2-Chlorophenol	100.0	68.87	68.9	5.79	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	45.76	93.4	4.84	30	50 - 110
Chrysene	49.00	47.42	96.8	0.252	30	55 - 110
Dibenz(a,h)anthracene	49.00	49.58	101	1.89	30	40 - 125
Dibenzofuran	49.00	44.39	90.6	2.52	30	55 - 105
Di-n-butylphthalate	49.00	49.13	100	3.89	30	55 - 115
3,3'-Dichlorobenzidine	50.00	49.91	99.8	0.245	30	20 - 110
2,4-Dichlorophenol	100.0	87.04	87.0	3.00	30	40 - 110
Diethylphthalate	49.00	48.23	98.4	3.21	30	40 - 120
2,4-Dimethylphenol	100.0	81.81	81.8	3.22	30	30 - 110
Dimethyl phthalate	49.00	48.63	99.2	1.55	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	88.97	89.0	21.8	30	40 - 130
2,4-Dinitrophenol	100.0	36.00	36.0	97.6 *	30	15 - 140
2,4-Dinitrotoluene	49.00	50.64	103	5.75	30	50 - 120
2,6-Dinitrotoluene	49.00	48.95	99.9	1.49	30	50 - 115
Di-n-octylphthalate	49.00	53.46	109	1.62	30	35 - 135
1,2-Diphenylhydrazine	47.00	40.23	85.6	6.86	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	55.19	113	0.0688	30	40 - 125
Fluoranthene	49.00	45.30	92.5	4.42	30	55 - 115
Fluorene	49.00	45.48	92.8	2.69	30	50 - 110
Hexachlorobenzene	49.00	45.23	92.3	3.16	30	50 - 110
Hexachlorobutadiene	49.00	41.49	84.7	3.97	30	25 - 105
Hexachlorocyclopentadiene	49.00	45.66	93.2	3.49	30	10 - 110
Hexachloroethane	49.00	34.55	70.5	5.56	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13010	Laboratory ID:	2D13010-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	49.00	49.43	101	2.18	30	45 - 125
Isophorone	49.00	41.80	85.3	3.24	30	50 - 110
1-Methylnaphthalene	50.00	43.53	87.1	3.58	30	30 - 115
2-Methylnaphthalene	49.00	42.26	86.3	3.66	30	45 - 105
2-Methylphenol	100.0	53.43	53.4	5.31	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	47.75	47.8	5.47	30	30 - 110
Naphthalene	49.00	40.51	82.7	4.73	30	40 - 100
4-Nitroaniline	47.00	45.19	96.1	3.92	30	35 - 120
3-Nitroaniline	47.00	39.17	83.3	1.02	30	20 - 125
2-Nitroaniline	47.00	46.72	99.4	4.05	30	50 - 115
Nitrobenzene	49.00	41.46	84.6	3.60	30	30 - 110
4-Nitrophenol	100.0	19.22	19.2	33.0 *	30	0 - 125
2-Nitrophenol	100.0	98.29	98.3	2.38	30	40 - 115
N-Nitrosodiphenylamine	49.00	38.31	78.2	3.63	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	43.35	88.5	5.16	30	35 - 130
Pentachlorophenol	100.0	91.02	91.0	8.46	30	40 - 115
Phenanthrene	49.00	44.96	91.8	4.59	30	50 - 115
Phenol	100.0	19.29	19.3	5.27	30	0 - 115
Pyrene	49.00	45.93	93.7	1.55	30	50 - 130
2,4,6-Trichlorophenol	100.0	94.35	94.3	3.47	30	50 - 115
2,4,5-Trichlorophenol	100.0	99.37	99.4	2.49	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D06002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/06/12 12:25	1,020.00	1.00
GW0501	1204038-03	04/06/12 12:25	1,060.00	1.00
GW0502	1204038-05	04/06/12 12:25	1,000.00	1.00
GW0503	1204038-07	04/06/12 12:25	1,020.00	1.00
GW0504	1204038-09	04/06/12 12:25	1,020.00	1.00
GW0520	1204038-11	04/06/12 12:25	1,050.00	1.00
GW0521	1204038-13	04/06/12 12:25	1,040.00	1.00
GW0522	1204038-15	04/06/12 12:25	1,020.00	1.00
GW0523	1204038-17	04/06/12 12:25	1,020.00	1.00
Blank	2D06002-BLK1	04/06/12 12:25	1,000.00	1.00
LCS	2D06002-BS1	04/06/12 12:25	1,000.00	1.00
LCS Dup	2D06002-BSD1	04/06/12 12:25	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D13004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/13/12 11:30	1,040.00	1.00
GW0544	1204054-03	04/13/12 11:30	950.00	1.00
GW0545	1204054-05	04/13/12 11:30	1,000.00	1.00
GW0546	1204054-07	04/13/12 11:30	1,000.00	1.00
GW0590	1204054-09	04/13/12 11:30	950.00	1.00
GW0591	1204054-11	04/13/12 11:30	950.00	1.00
GW0592	1204054-13	04/13/12 11:30	1,000.00	1.00
GW0597	1204054-15	04/13/12 11:30	1,040.00	1.00
GW0598	1204054-17	04/13/12 11:30	900.00	1.00
GW0604	1204054-19	04/13/12 11:30	1,030.00	1.00
GW0505	1204063-01	04/13/12 11:30	1,000.00	1.00
GW0506	1204063-03	04/13/12 11:30	1,010.00	1.00
GW0510	1204063-05	04/13/12 11:30	1,000.00	1.00
GW0596	1204063-07	04/13/12 11:30	1,000.00	1.00
GW0605	1204063-09	04/13/12 11:30	1,010.00	1.00
Blank	2D13004-BLK1	04/13/12 11:30	1,000.00	1.00
LCS	2D13004-BS1	04/13/12 11:30	1,000.00	1.00
LCS Dup	2D13004-BSD1	04/13/12 11:30	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D13010 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0527	1204074-01	04/16/12 14:14	1,060.00	1.00
GW0547	1204074-03	04/16/12 14:14	1,020.00	1.00
GW0548	1204074-05	04/16/12 14:14	1,020.00	1.00
GW0549	1204074-07	04/16/12 14:14	1,040.00	1.00
GW0576	1204074-09	04/16/12 14:14	1,040.00	1.00
GW0577	1204074-11	04/16/12 14:14	1,020.00	1.00
GW0578	1204074-13	04/16/12 14:14	1,040.00	1.00
GW0579	1204074-15	04/16/12 14:14	1,060.00	1.00
Blank	2D13010-BLK1	04/16/12 14:14	1,000.00	1.00
LCS	2D13010-BS1	04/16/12 14:14	1,000.00	1.00
LCS Dup	2D13010-BSD1	04/16/12 14:14	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	03/07/12
Instrument ID:	MS-BNA3	Injection Time:	10:45
Sequence:	2C06808	Lab Sample ID:	2C06808-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	34.3	PASS
68	Less than 2% of 69	1.6	PASS
69	Less than 200% of 198	38	PASS
70	Less than 2% of 69	0.519	PASS
127	40 - 60% of 198	51.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.76	PASS
275	10 - 30% of 198	26.8	PASS
365	1 - 200% of 198	3.29	PASS
441	0.001 - 100% of 443	74.2	PASS
442	40 - 200% of 198	105	PASS
443	17 - 23% of 442	20.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/07/12
Instrument ID:	MS-BNA3	Injection Time:	12:33
Sequence:	2D10004	Lab Sample ID:	2D10004-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.3	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	38.5	PASS
70	Less than 2% of 69	0.764	PASS
127	40 - 60% of 198	51.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.03	PASS
275	10 - 30% of 198	27.5	PASS
365	1 - 200% of 198	3.89	PASS
441	0.001 - 100% of 443	76.8	PASS
442	40 - 200% of 198	93.2	PASS
443	17 - 23% of 442	18.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/13/12
Instrument ID:	MS-BNA3	Injection Time:	15:04
Sequence:	2D10708	Lab Sample ID:	2D10708-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	45.9	PASS
70	Less than 2% of 69	0.596	PASS
127	40 - 60% of 198	54.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.53	PASS
275	10 - 30% of 198	23.9	PASS
365	1 - 200% of 198	2.31	PASS
441	0.001 - 100% of 443	69.9	PASS
442	40 - 200% of 198	73.1	PASS
443	17 - 23% of 442	18.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/17/12
Instrument ID:	MS-BNA3	Injection Time:	14:12
Sequence:	2D10909	Lab Sample ID:	2D10909-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	46.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	51.4	PASS
70	Less than 2% of 69	0.593	PASS
127	40 - 60% of 198	58.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7	PASS
275	10 - 30% of 198	23.1	PASS
365	1 - 200% of 198	1.94	PASS
441	0.001 - 100% of 443	76.6	PASS
442	40 - 200% of 198	54.2	PASS
443	17 - 23% of 442	20.7	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C06808	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2C06808-TUN1	SEQ-TUN1.D	03/07/12 10:45
Cal Standard	2C06808-CAL1	SEQ-CAL1.D	03/07/12 11:09
Cal Standard	2C06808-CAL2	SEQ-CAL2.D	03/07/12 11:37
Cal Standard	2C06808-CAL3	SEQ-CAL3.D	03/07/12 12:04
Cal Standard	2C06808-CAL4	SEQ-CAL4.D	03/07/12 12:32
Cal Standard	2C06808-CAL5	SEQ-CAL5.D	03/07/12 12:59
Cal Standard	2C06808-CAL6	SEQ-CAL6.D	03/07/12 13:27
Cal Standard	2C06808-CAL7	SEQ-CAL7.D	03/07/12 13:55
Cal Standard	2C06808-CAL8	SEQ-CAL8.D	03/07/12 14:23
Cal Standard	2C06808-CAL9	SEQ-CAL9.D	03/07/12 14:51
Cal Standard	2C06808-CALA	SEQ-CALA.D	03/07/12 15:18
Cal Standard	2C06808-CALB	SEQ-CALB.D	03/07/12 15:46
Cal Standard	2C06808-CALC	SEQ-CALC.D	03/07/12 16:13
Cal Standard	2C06808-CALD	SEQ-CALD.D	03/07/12 16:41
Cal Standard	2C06808-CALE	SEQ-CALE.D	03/07/12 17:08
Cal Standard	2C06808-CALF	SEQ-CALF.D	03/07/12 17:35
Cal Standard	2C06808-CALG	SEQ-CALG.D	03/07/12 18:03
Initial Cal Check	2C06808-ICV1	SEQ-ICV1.D	03/07/12 18:30
Initial Cal Check	2C06808-ICV2	SEQ-ICV2.D	03/07/12 18:58

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10004	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10004-TUN1	SEQ-TUN1.D	04/07/12 12:33
Calibration Check	2D10004-CCV1	SEQ-CCV1.D	04/07/12 12:57
Calibration Check	2D10004-CCV2	SEQ-CCV2.D	04/07/12 13:24
Blank	2D06002-BLK1	D06002B1.D	04/07/12 13:52
LCS	2D06002-BS1	D06002L1.D	04/07/12 14:20
LCS Dup	2D06002-BSD1	D06002L2.D	04/07/12 14:47
GW0500	1204038-01	0403801.D	04/07/12 15:42
GW0501	1204038-03	0403803.D	04/07/12 16:10
GW0502	1204038-05	0403805.D	04/07/12 16:38
GW0503	1204038-07	0403807.D	04/07/12 17:06
GW0504	1204038-09	0403809.D	04/07/12 17:33
GW0520	1204038-11	0403811.D	04/07/12 18:01
GW0521	1204038-13	0403813.D	04/07/12 18:28
GW0522	1204038-15	0403815.D	04/07/12 18:55
GW0523	1204038-17	0403817.D	04/07/12 19:23

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10708-TUN1	SEQ-TUN1.D	04/13/12 15:04
Calibration Check	2D10708-CCV1	SEQ-CCV1.D	04/13/12 15:28
Calibration Check	2D10708-CCV2	SEQ-CCV2.D	04/13/12 15:55
Blank	2D13004-BLK1	D13004B1.D	04/13/12 18:40
LCS	2D13004-BS1	D13004L1.D	04/13/12 19:08
LCS Dup	2D13004-BSD1	D13004L2.D	04/13/12 19:36
GW0529	1204054-01	0405401.D	04/13/12 20:04
GW0544	1204054-03	0405403.D	04/13/12 20:31
GW0545	1204054-05	0405405.D	04/13/12 20:58
GW0546	1204054-07	0405407.D	04/13/12 21:26
GW0590	1204054-09	0405409.D	04/13/12 21:53
GW0591	1204054-11	0405411.D	04/13/12 22:21
GW0592	1204054-13	0405413.D	04/13/12 22:48
GW0597	1204054-15	0405415.D	04/13/12 23:16
GW0598	1204054-17	0405417.D	04/13/12 23:43
GW0604	1204054-19	0405419.D	04/14/12 00:11
GW0505	1204063-01	0406301.D	04/14/12 00:38
GW0506	1204063-03	0406303.D	04/14/12 01:06
GW0510	1204063-05	0406305.D	04/14/12 01:33
GW0596	1204063-07	0406307.D	04/14/12 02:01
GW0605	1204063-09	0406309.D	04/14/12 02:28

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10909	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D10909-TUN1	SEQ-TUN1.D	04/17/12 14:12
Calibration Check	2D10909-CCV1	SEQ-CCV1.D	04/17/12 14:35
Calibration Check	2D10909-CCV2	SEQ-CCV2.D	04/17/12 15:02
Blank	2D13010-BLK1	D13010B1.D	04/17/12 15:30
LCS	2D13010-BS1	D13010L1.D	04/17/12 15:57
LCS Dup	2D13010-BSD1	D13010L2.D	04/17/12 16:25
GW0527	1204074-01	0407401.D	04/17/12 21:02
GW0547	1204074-03	0407403.D	04/17/12 21:29
GW0548	1204074-05	0407405.D	04/17/12 21:57
GW0549	1204074-07	0407407.D	04/17/12 22:25
GW0576	1204074-09	0407409.D	04/17/12 22:52
GW0577	1204074-11	0407411.D	04/17/12 23:20
GW0578	1204074-13	0407413.D	04/17/12 23:48
GW0579	1204074-15	0407415.D	04/18/12 00:15

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10004	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D10004-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/07/12 12:57			
1,4-Dichlorobenzene-d4	380755	4.958	577166	5.052	66	50 - 200	-0.0940	+/-0.50	
Naphthalene-d8	1368061	6.395	2098116	6.494	65	50 - 200	-0.0990	+/-0.50	
Acenaphthene-d10	765142	8.516	1177105	8.61	65	50 - 200	-0.0940	+/-0.50	
Phenanthrene-d10	1316216	10.289	2031354	10.394	65	50 - 200	-0.1050	+/-0.50	
Chrysene-d12	1329821	13.687	2065587	13.818	64	50 - 200	-0.1310	+/-0.50	
Perylene-d12	1387394	15.952	2102409	16.11	66	50 - 200	-0.1580	+/-0.50	
Calibration Check (2D10004-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 04/07/12 13:24			
1,4-Dichlorobenzene-d4	373395	4.958	380755	4.958	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1301966	6.395	1368061	6.395	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	726568	8.511	765142	8.516	95	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1232108	10.284	1316216	10.289	94	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1268815	13.682	1329821	13.687	95	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1270805	15.952	1387394	15.952	92	50 - 200	0.0000	+/-0.50	
Blank (2D06002-BLK1)			Lab File ID: D06002B1.D			Analyzed: 04/07/12 13:52			
1,4-Dichlorobenzene-d4	411632	4.96	380755	4.958	108	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1466565	6.397	1368061	6.395	107	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	822622	8.507	765142	8.516	108	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1380218	10.286	1316216	10.289	105	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1426031	13.678	1329821	13.687	107	50 - 200	-0.0090	+/-0.50	
Perylene-d12	1470372	15.949	1387394	15.952	106	50 - 200	-0.0030	+/-0.50	
LCS (2D06002-BS1)			Lab File ID: D06002L1.D			Analyzed: 04/07/12 14:20			
1,4-Dichlorobenzene-d4	392059	4.958	380755	4.958	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1390672	6.395	1368061	6.395	102	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	770199	8.51	765142	8.516	101	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1344983	10.289	1316216	10.289	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1372766	13.687	1329821	13.687	103	50 - 200	0.0000	+/-0.50	
Perylene-d12	1424545	15.952	1387394	15.952	103	50 - 200	0.0000	+/-0.50	
LCS Dup (2D06002-BSD1)			Lab File ID: D06002L2.D			Analyzed: 04/07/12 14:47			
1,4-Dichlorobenzene-d4	398496	4.959	380755	4.958	105	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1437755	6.396	1368061	6.395	105	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	792285	8.512	765142	8.516	104	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1373794	10.291	1316216	10.289	104	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1403191	13.683	1329821	13.687	106	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1417366	15.953	1387394	15.952	102	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10004	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0500 (1204038-01)			Lab File ID: 0403801.D			Analyzed: 04/07/12 15:42			
1,4-Dichlorobenzene-d4	426681	4.959	380755	4.958	112	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1505088	6.396	1368061	6.395	110	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	838098	8.511	765142	8.516	110	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1453420	10.285	1316216	10.289	110	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1474965	13.683	1329821	13.687	111	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1485088	15.953	1387394	15.952	107	50 - 200	0.0010	+/-0.50	
GW0501 (1204038-03)			Lab File ID: 0403803.D			Analyzed: 04/07/12 16:10			
1,4-Dichlorobenzene-d4	382344	4.96	380755	4.958	100	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1341400	6.397	1368061	6.395	98	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	735075	8.512	765142	8.516	96	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1276633	10.286	1316216	10.289	97	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1304824	13.683	1329821	13.687	98	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1320034	15.954	1387394	15.952	95	50 - 200	0.0020	+/-0.50	
GW0502 (1204038-05)			Lab File ID: 0403805.D			Analyzed: 04/07/12 16:38			
1,4-Dichlorobenzene-d4	409472	4.958	380755	4.958	108	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1472901	6.395	1368061	6.395	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	811606	8.511	765142	8.516	106	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1410112	10.29	1316216	10.289	107	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1406985	13.682	1329821	13.687	106	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1435098	15.952	1387394	15.952	103	50 - 200	0.0000	+/-0.50	
GW0503 (1204038-07)			Lab File ID: 0403807.D			Analyzed: 04/07/12 17:06			
1,4-Dichlorobenzene-d4	404385	4.961	380755	4.958	106	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1437940	6.392	1368061	6.395	105	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	792041	8.508	765142	8.516	104	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1385950	10.287	1316216	10.289	105	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1387285	13.679	1329821	13.687	104	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1418959	15.949	1387394	15.952	102	50 - 200	-0.0030	+/-0.50	
GW0504 (1204038-09)			Lab File ID: 0403809.D			Analyzed: 04/07/12 17:33			
1,4-Dichlorobenzene-d4	658028	4.958	380755	4.958	173	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2406287	6.395	1368061	6.395	176	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1399676	8.511	765142	8.516	183	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2433885	10.29	1316216	10.289	185	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2429494	13.687	1329821	13.687	183	50 - 200	0.0000	+/-0.50	
Perylene-d12	2475928	15.958	1387394	15.952	178	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10004	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0520 (1204038-11)			Lab File ID: 0403811.D			Analyzed: 04/07/12 18:01			
1,4-Dichlorobenzene-d4	407849	4.961	380755	4.958	107	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1421055	6.392	1368061	6.395	104	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	803374	8.508	765142	8.516	105	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1372077	10.287	1316216	10.289	104	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1367612	13.679	1329821	13.687	103	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1428581	15.949	1387394	15.952	103	50 - 200	-0.0030	+/-0.50	
GW0521 (1204038-13)			Lab File ID: 0403813.D			Analyzed: 04/07/12 18:28			
1,4-Dichlorobenzene-d4	368640	4.958	380755	4.958	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1296583	6.395	1368061	6.395	95	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	735188	8.511	765142	8.516	96	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1274045	10.284	1316216	10.289	97	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1277112	13.682	1329821	13.687	96	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1304560	15.952	1387394	15.952	94	50 - 200	0.0000	+/-0.50	
GW0522 (1204038-15)			Lab File ID: 0403815.D			Analyzed: 04/07/12 18:55			
1,4-Dichlorobenzene-d4	416271	4.959	380755	4.958	109	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1475204	6.396	1368061	6.395	108	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	835068	8.511	765142	8.516	109	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1452550	10.285	1316216	10.289	110	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1426388	13.682	1329821	13.687	107	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1455305	15.947	1387394	15.952	105	50 - 200	-0.0050	+/-0.50	
GW0523 (1204038-17)			Lab File ID: 0403817.D			Analyzed: 04/07/12 19:23			
1,4-Dichlorobenzene-d4	665030	4.958	380755	4.958	175	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2389842	6.395	1368061	6.395	175	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1403967	8.511	765142	8.516	183	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2432680	10.29	1316216	10.289	185	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2452356	13.682	1329821	13.687	184	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2460037	15.958	1387394	15.952	177	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D10708-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/13/12 15:28			
1,4-Dichlorobenzene-d4	365098	4.936	577166	5.052	63	50 - 200	-0.1160	+/-0.50	
Naphthalene-d8	1278626	6.373	2098116	6.494	61	50 - 200	-0.1210	+/-0.50	
Acenaphthene-d10	718741	8.483	1177105	8.61	61	50 - 200	-0.1270	+/-0.50	
Phenanthrene-d10	1267268	10.262	2031354	10.394	62	50 - 200	-0.1320	+/-0.50	
Chrysene-d12	1273438	13.649	2065587	13.818	62	50 - 200	-0.1690	+/-0.50	
Perylene-d12	1324235	15.903	2102409	16.11	63	50 - 200	-0.2070	+/-0.50	
Calibration Check (2D10708-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 04/13/12 15:55			
1,4-Dichlorobenzene-d4	595780	4.933	365098	4.936	163	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2200469	6.37	1278626	6.373	172	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1256509	8.485	718741	8.483	175	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	2230117	10.259	1267268	10.262	176	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	2203141	13.646	1273438	13.649	173	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2324677	15.905	1324235	15.903	176	50 - 200	0.0020	+/-0.50	
Blank (2D13004-BLK1)			Lab File ID: D13004B1.D			Analyzed: 04/13/12 18:40			
1,4-Dichlorobenzene-d4	410912	4.936	365098	4.936	113	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1436403	6.368	1278626	6.373	112	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	809592	8.483	718741	8.483	113	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1408340	10.257	1267268	10.262	111	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1366769	13.644	1273438	13.649	107	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1374982	15.904	1324235	15.903	104	50 - 200	0.0010	+/-0.50	
LCS (2D13004-BS1)			Lab File ID: D13004L1.D			Analyzed: 04/13/12 19:08			
1,4-Dichlorobenzene-d4	375025	4.936	365098	4.936	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1321430	6.373	1278626	6.373	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	737402	8.483	718741	8.483	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1262034	10.262	1267268	10.262	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1262788	13.649	1273438	13.649	99	50 - 200	0.0000	+/-0.50	
Perylene-d12	1291570	15.903	1324235	15.903	98	50 - 200	0.0000	+/-0.50	
LCS Dup (2D13004-BSD1)			Lab File ID: D13004L2.D			Analyzed: 04/13/12 19:36			
1,4-Dichlorobenzene-d4	643283	4.936	365098	4.936	176	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2278537	6.373	1278626	6.373	178	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1294540	8.483	718741	8.483	180	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2231502	10.262	1267268	10.262	176	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2226327	13.649	1273438	13.649	175	50 - 200	0.0000	+/-0.50	
Perylene-d12	2312205	15.909	1324235	15.903	175	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0529 (1204054-01)			Lab File ID: 0405401.D			Analyzed: 04/13/12 20:04			
1,4-Dichlorobenzene-d4	621112	4.936	365098	4.936	170	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2187627	6.368	1278626	6.373	171	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1265071	8.483	718741	8.483	176	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2190086	10.257	1267268	10.262	173	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2155625	13.644	1273438	13.649	169	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2208539	15.904	1324235	15.903	167	50 - 200	0.0010	+/-0.50	
GW0544 (1204054-03)			Lab File ID: 0405403.D			Analyzed: 04/13/12 20:31			
1,4-Dichlorobenzene-d4	631368	4.932	365098	4.936	173	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2245098	6.369	1278626	6.373	176	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1314844	8.484	718741	8.483	183	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2250500	10.258	1267268	10.262	178	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	2233984	13.645	1273438	13.649	175	50 - 200	-0.0040	+/-0.50	
Perylene-d12	2276260	15.905	1324235	15.903	172	50 - 200	0.0020	+/-0.50	
GW0545 (1204054-05)			Lab File ID: 0405405.D			Analyzed: 04/13/12 20:58			
1,4-Dichlorobenzene-d4	626081	4.931	365098	4.936	171	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2231403	6.368	1278626	6.373	175	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1319021	8.484	718741	8.483	184	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2250034	10.257	1267268	10.262	178	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2223456	13.644	1273438	13.649	175	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2286853	15.904	1324235	15.903	173	50 - 200	0.0010	+/-0.50	
GW0546 (1204054-07)			Lab File ID: 0405407.D			Analyzed: 04/13/12 21:26			
1,4-Dichlorobenzene-d4	636998	4.933	365098	4.936	174	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2241191	6.37	1278626	6.373	175	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1294022	8.481	718741	8.483	180	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2249219	10.26	1267268	10.262	177	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2235105	13.646	1273438	13.649	176	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2265070	15.906	1324235	15.903	171	50 - 200	0.0030	+/-0.50	
GW0590 (1204054-09)			Lab File ID: 0405409.D			Analyzed: 04/13/12 21:53			
1,4-Dichlorobenzene-d4	639555	4.938	365098	4.936	175	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2237811	6.381	1278626	6.373	175	50 - 200	0.0080	+/-0.50	
Acenaphthene-d10	1330079	8.486	718741	8.483	185	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	2349713	10.259	1267268	10.262	185	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	2347972	13.646	1273438	13.649	184	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2391706	15.906	1324235	15.903	181	50 - 200	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0591 (1204054-11)			Lab File ID: 0405411.D			Analyzed: 04/13/12 22:21			
1,4-Dichlorobenzene-d4	651757	4.939	365098	4.936	179	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2267720	6.376	1278626	6.373	177	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1343737	8.487	718741	8.483	187	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	2348573	10.26	1267268	10.262	185	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2316545	13.642	1273438	13.649	182	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2321788	15.907	1324235	15.903	175	50 - 200	0.0040	+/-0.50	
GW0592 (1204054-13)			Lab File ID: 0405413.D			Analyzed: 04/13/12 22:48			
1,4-Dichlorobenzene-d4	632332	4.932	365098	4.936	173	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2275593	6.369	1278626	6.373	178	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1313482	8.484	718741	8.483	183	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2270181	10.258	1267268	10.262	179	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	2240677	13.645	1273438	13.649	176	50 - 200	-0.0040	+/-0.50	
Perylene-d12	2258185	15.905	1324235	15.903	171	50 - 200	0.0020	+/-0.50	
GW0597 (1204054-15)			Lab File ID: 0405415.D			Analyzed: 04/13/12 23:16			
1,4-Dichlorobenzene-d4	642962	4.933	365098	4.936	176	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2257841	6.37	1278626	6.373	177	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1301740	8.481	718741	8.483	181	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2253044	10.26	1267268	10.262	178	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2210167	13.646	1273438	13.649	174	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2211788	15.906	1324235	15.903	167	50 - 200	0.0030	+/-0.50	
GW0598 (1204054-17)			Lab File ID: 0405417.D			Analyzed: 04/13/12 23:43			
1,4-Dichlorobenzene-d4	648943	4.936	365098	4.936	178	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2337146	6.368	1278626	6.373	183	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1357275	8.483	718741	8.483	189	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2342460	10.257	1267268	10.262	185	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2279813	13.644	1273438	13.649	179	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2320225	15.909	1324235	15.903	175	50 - 200	0.0060	+/-0.50	
GW0604 (1204054-19)			Lab File ID: 0405419.D			Analyzed: 04/14/12 00:11			
1,4-Dichlorobenzene-d4	614851	4.935	365098	4.936	168	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2263329	6.372	1278626	6.373	177	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1292658	8.482	718741	8.483	180	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2229672	10.261	1267268	10.262	176	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2221840	13.642	1273438	13.649	174	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2273399	15.907	1324235	15.903	172	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10708	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0505 (1204063-01)			Lab File ID: 0406301.D			Analyzed: 04/14/12 00:38			
1,4-Dichlorobenzene-d4	600629	4.936	365098	4.936	165	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2155316	6.368	1278626	6.373	169	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1227193	8.483	718741	8.483	171	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2144696	10.257	1267268	10.262	169	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2135045	13.644	1273438	13.649	168	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2155258	15.904	1324235	15.903	163	50 - 200	0.0010	+/-0.50	
GW0506 (1204063-03)			Lab File ID: 0406303.D			Analyzed: 04/14/12 01:06			
1,4-Dichlorobenzene-d4	611490	4.934	365098	4.936	167	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2193032	6.371	1278626	6.373	172	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1254778	8.481	718741	8.483	175	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2195702	10.26	1267268	10.262	173	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2201400	13.642	1273438	13.649	173	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2251741	15.907	1324235	15.903	170	50 - 200	0.0040	+/-0.50	
GW0510 (1204063-05)			Lab File ID: 0406305.D			Analyzed: 04/14/12 01:33			
1,4-Dichlorobenzene-d4	631035	4.937	365098	4.936	173	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2266813	6.368	1278626	6.373	177	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1306154	8.484	718741	8.483	182	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2232546	10.257	1267268	10.262	176	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2248584	13.644	1273438	13.649	177	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2265874	15.904	1324235	15.903	171	50 - 200	0.0010	+/-0.50	
GW0596 (1204063-07)			Lab File ID: 0406307.D			Analyzed: 04/14/12 02:01			
1,4-Dichlorobenzene-d4	617325	4.932	365098	4.936	169	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	2235441	6.369	1278626	6.373	175	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1279842	8.485	718741	8.483	178	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	2208991	10.258	1267268	10.262	174	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	2171624	13.645	1273438	13.649	171	50 - 200	-0.0040	+/-0.50	
Perylene-d12	2173874	15.905	1324235	15.903	164	50 - 200	0.0020	+/-0.50	
GW0605 (1204063-09)			Lab File ID: 0406309.D			Analyzed: 04/14/12 02:28			
1,4-Dichlorobenzene-d4	627564	4.936	365098	4.936	172	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2215882	6.368	1278626	6.373	173	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1275899	8.483	718741	8.483	178	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2180959	10.257	1267268	10.262	172	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2183755	13.644	1273438	13.649	171	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2211650	15.904	1324235	15.903	167	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10909	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D10909-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/17/12 14:35			
1,4-Dichlorobenzene-d4	618887	4.933	577166	5.052	107	50 - 200	-0.1190	+/-0.50	
Naphthalene-d8	2213431	6.37	2098116	6.494	105	50 - 200	-0.1240	+/-0.50	
Acenaphthene-d10	1279697	8.486	1177105	8.61	109	50 - 200	-0.1240	+/-0.50	
Phenanthrene-d10	2221061	10.259	2031354	10.394	109	50 - 200	-0.1350	+/-0.50	
Chrysene-d12	2170068	13.646	2065587	13.818	105	50 - 200	-0.1720	+/-0.50	
Perylene-d12	2211835	15.906	2102409	16.11	105	50 - 200	-0.2040	+/-0.50	
Calibration Check (2D10909-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 04/17/12 15:02			
1,4-Dichlorobenzene-d4	642181	4.932	618887	4.933	104	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2205490	6.369	2213431	6.37	100	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1301487	8.479	1279697	8.486	102	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2194725	10.252	2221061	10.259	99	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2197183	13.639	2170068	13.646	101	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2134234	15.899	2211835	15.906	96	50 - 200	-0.0070	+/-0.50	
Blank (2D13010-BLK1)			Lab File ID: D13010B1.D			Analyzed: 04/17/12 15:30			
1,4-Dichlorobenzene-d4	615026	4.93	618887	4.933	99	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2170001	6.367	2213431	6.37	98	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1242252	8.477	1279697	8.486	97	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2117570	10.256	2221061	10.259	95	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	2058401	13.638	2170068	13.646	95	50 - 200	-0.0080	+/-0.50	
Perylene-d12	2078545	15.898	2211835	15.906	94	50 - 200	-0.0080	+/-0.50	
LCS (2D13010-BS1)			Lab File ID: D13010L1.D			Analyzed: 04/17/12 15:57			
1,4-Dichlorobenzene-d4	645516	4.934	618887	4.933	104	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2273051	6.371	2213431	6.37	103	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1316607	8.481	1279697	8.486	103	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2236007	10.26	2221061	10.259	101	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2286213	13.647	2170068	13.646	105	50 - 200	0.0010	+/-0.50	
Perylene-d12	2364731	15.901	2211835	15.906	107	50 - 200	-0.0050	+/-0.50	
LCS Dup (2D13010-BSD1)			Lab File ID: D13010L2.D			Analyzed: 04/17/12 16:25			
1,4-Dichlorobenzene-d4	665110	4.931	618887	4.933	107	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2323253	6.368	2213431	6.37	105	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1330517	8.484	1279697	8.486	104	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2295645	10.257	2221061	10.259	103	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2300890	13.644	2170068	13.646	106	50 - 200	-0.0020	+/-0.50	
Perylene-d12	2356387	15.904	2211835	15.906	107	50 - 200	-0.0020	+/-0.50	

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SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10909	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0527 (1204074-01)			Lab File ID: 0407401.D			Analyzed: 04/17/12 21:02			
1,4-Dichlorobenzene-d4	652235	4.932	618887	4.933	105	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2308913	6.369	2213431	6.37	104	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1328174	8.479	1279697	8.486	104	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2281526	10.253	2221061	10.259	103	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2250853	13.64	2170068	13.646	104	50 - 200	-0.0060	+/-0.50	
Perylene-d12	2310717	15.9	2211835	15.906	104	50 - 200	-0.0060	+/-0.50	
GW0547 (1204074-03)			Lab File ID: 0407403.D			Analyzed: 04/17/12 21:29			
1,4-Dichlorobenzene-d4	652345	4.934	618887	4.933	105	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2336278	6.366	2213431	6.37	106	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1320895	8.481	1279697	8.486	103	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2290517	10.255	2221061	10.259	103	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	2255818	13.636	2170068	13.646	104	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2283710	15.896	2211835	15.906	103	50 - 200	-0.0100	+/-0.50	
GW0548 (1204074-05)			Lab File ID: 0407405.D			Analyzed: 04/17/12 21:57			
1,4-Dichlorobenzene-d4	618769	4.933	618887	4.933	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2237897	6.365	2213431	6.37	101	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1275091	8.481	1279697	8.486	100	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2185668	10.254	2221061	10.259	98	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2155949	13.636	2170068	13.646	99	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2172671	15.895	2211835	15.906	98	50 - 200	-0.0110	+/-0.50	
GW0549 (1204074-07)			Lab File ID: 0407407.D			Analyzed: 04/17/12 22:25			
1,4-Dichlorobenzene-d4	658407	4.931	618887	4.933	106	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2333834	6.368	2213431	6.37	105	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1353217	8.478	1279697	8.486	106	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2312232	10.252	2221061	10.259	104	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2283667	13.639	2170068	13.646	105	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2309993	15.898	2211835	15.906	104	50 - 200	-0.0080	+/-0.50	
GW0576 (1204074-09)			Lab File ID: 0407409.D			Analyzed: 04/17/12 22:52			
1,4-Dichlorobenzene-d4	656200	4.933	618887	4.933	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2314310	6.365	2213431	6.37	105	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1348109	8.481	1279697	8.486	105	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2301544	10.254	2221061	10.259	104	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2281014	13.636	2170068	13.646	105	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2336645	15.901	2211835	15.906	106	50 - 200	-0.0050	+/-0.50	

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SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10909	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0577 (1204074-11)			Lab File ID: 0407411.D			Analyzed: 04/17/12 23:20			
1,4-Dichlorobenzene-d4	650035	4.931	618887	4.933	105	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2355686	6.368	2213431	6.37	106	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1365358	8.478	1279697	8.486	107	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2307841	10.251	2221061	10.259	104	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2253744	13.638	2170068	13.646	104	50 - 200	-0.0080	+/-0.50	
Perylene-d12	2285513	15.898	2211835	15.906	103	50 - 200	-0.0080	+/-0.50	
GW0578 (1204074-13)			Lab File ID: 0407413.D			Analyzed: 04/17/12 23:48			
1,4-Dichlorobenzene-d4	701927	4.933	618887	4.933	113	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2528411	6.364	2213431	6.37	114	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1438320	8.48	1279697	8.486	112	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2477984	10.254	2221061	10.259	112	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	2430097	13.64	2170068	13.646	112	50 - 200	-0.0060	+/-0.50	
Perylene-d12	2460798	15.9	2211835	15.906	111	50 - 200	-0.0060	+/-0.50	
GW0579 (1204074-15)			Lab File ID: 0407415.D			Analyzed: 04/18/12 00:15			
1,4-Dichlorobenzene-d4	668879	4.931	618887	4.933	108	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2418572	6.368	2213431	6.37	109	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1390795	8.478	1279697	8.486	109	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2396049	10.257	2221061	10.259	108	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2348009	13.638	2170068	13.646	108	50 - 200	-0.0080	+/-0.50	
Perylene-d12	2372930	15.898	2211835	15.906	107	50 - 200	-0.0080	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12_11:09	3/7/12_18:03

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	1.290835	10	1.288872	20	1.275821	40	1.243103	50	1.222823	60	1.204155
Acenaphthylene	5	1.926401	10	1.960924	20	1.967508	40	1.88301	50	1.87267	60	1.824442
Acetophenone												
Aniline	5	1.931254	10	1.95898	20	1.989987	40	1.97406	50	1.93075	60	1.908319
Anthracene	5	1.135816	10	1.177533	20	1.203797	40	1.164461	50	1.148243	60	1.12445
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.058535	10	1.07546	20	1.148372	40	1.152418	50	1.125794	60	1.110574
Benzo(a)pyrene	5	0.8634132	10	0.9410331	20	1.047115	40	1.091758	50	1.076201	60	1.078927
Benzo(b)fluoranthene	5	0.9824835	10	1.020435	20	1.11479	40	1.097168	50	1.108197	60	1.075589
Benzo(g,h,i)perylene	5	0.9306468	10	0.9392595	20	1.037476	40	1.075542	50	1.037703	60	1.038851
Benzoic acid	5	~~3.631703E-02~~	10	6.385206E-02	20	0.1084678	40	0.1681721	50	0.1785605	60	0.2018909
Benzo(k)fluoranthene	5	1.174777	10	1.187072	20	1.271122	40	1.323825	50	1.261334	60	1.249209
Benzyl alcohol	5	0.7763026	10	0.8261203	20	0.8459737	40	0.8560035	50	0.8458622	60	0.8415223
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2317842	10	0.2371536	20	0.2414978	40	0.2402742	50	0.2338231	60	0.2350962
Butylbenzylphthalate	5	0.3623589	10	0.4236683	20	0.5187606	40	0.520355	50	0.5163243	60	0.5146242
Caprolactam												
Carbazole	5	1.081674	10	1.108895	20	1.131864	40	1.120235	50	1.086755	60	1.07532
4-Chloro-3-methylphenol	5	0.2433629	10	0.2668889	20	0.2965221	40	0.3001302	50	0.2987018	60	0.2936303
4-Chloroaniline	5	0.4313943	10	0.4443893	20	0.4588377	40	0.4453356	50	0.4440973	60	0.4361526
Bis(2-chloroethoxy)methane	5	0.4065192	10	0.4059254	20	0.4173563	40	0.3986608	50	0.3912996	60	0.3850035
Bis(2-chloroethyl)ether	5	1.281007	10	1.276575	20	1.244742	40	1.219686	50	1.210847	60	1.178124
2,2'-Oxybis-1-chloropropane	5	1.49019	10	1.519646	20	1.534653	40	1.459105	50	1.453178	60	1.399566
2-Chloronaphthalene	5	1.207946	10	1.201108	20	1.194052	40	1.160699	50	1.159748	60	1.141694
2-Chlorophenol	5	1.269836	10	1.313285	20	1.357406	40	1.355928	50	1.352003	60	1.341622
4-Chlorophenyl phenyl ether	5	0.6961629	10	0.6529685	20	0.6628223	40	0.6368284	50	0.6279123	60	0.6152155
Chrysene	5	1.120358	10	1.125704	20	1.134672	40	1.110606	50	1.071014	60	1.043335
Dibenz(a,h)anthracene	5	0.8096959	10	0.8857525	20	0.9974422	40	1.024124	50	1.006274	60	1.013841
Dibenzofuran	5	1.786841	10	1.749082	20	1.730642	40	1.679056	50	1.66707	60	1.623764

INITIAL CALIBRATION DATA

SW8270C

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2069001
Instrument: MS-BNA3
Matrix: Water
Calibration Dates: 3/7/12_11:09 3/7/12_18:03

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	1.026795	10	1.156054	20	1.250483	40	1.263359	50	1.225645	60	1.211988
1,4-Dichlorobenzene	5	1.614778	10	1.579367	20	1.589067	40	1.549846	50	1.537331	60	1.513799
1,3-Dichlorobenzene	5	1.630479	10	1.585516	20	1.583112	40	1.549177	50	1.528421	60	1.493832
1,2-Dichlorobenzene	5	1.522623	10	1.478488	20	1.498118	40	1.488362	50	1.464277	60	1.422518
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2728868	10	0.2857662	20	0.3115145	40	0.3120501	50	0.3078342	60	0.3077154
Diethylphthalate	5	1.251662	10	1.293643	20	1.327811	40	1.299867	50	1.296184	60	1.287098
2,4-Dimethylphenol	5	0.3366691	10	0.3506135	20	0.3625916	40	0.3621673	50	0.3538967	60	0.3518662
Dimethyl phthalate	5	1.306824	10	1.330827	20	1.351979	40	1.31477	50	1.310088	60	1.29777
4,6-Dinitro-2-methylphenol	5	3.654448E-02	10	6.038237E-02	20	8.883287E-02	40	0.1121167	50	0.1189227	60	0.125571
2,4-Dinitrophenol	5		10	3.465936E-02	20	5.839482E-02	40	9.948461E-02	50	0.117208	60	0.1319551
2,4-Dinitrotoluene	5	0.2715439	10	0.3239732	20	0.3823869	40	0.3971027	50	0.4015774	60	0.4074387
2,6-Dinitrotoluene	5	0.2573721	10	0.2736137	20	0.2993314	40	0.2917187	50	0.2974299	60	0.2996828
Di-n-octylphthalate	5	0.5642654	10	0.735007	20	0.9681154	40	1.107971	50	1.117647	60	1.139429
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.7261897	10	0.7358909	20	0.7570213	40	0.74367	50	0.7211279	60	0.7103614
Bis(2-ethylhexyl)phthalate	5	0.4709387	10	0.5631515	20	0.6758707	40	0.7309678	50	0.708782	60	0.7171914
Fluoranthene	5	1.212982	10	1.24769	20	1.281645	40	1.255152	50	1.213055	60	1.207087
Fluorene	5	1.449905	10	1.421123	20	1.425898	40	1.360644	50	1.34847	60	1.323274
2-Fluorobiphenyl	5	1.362636	10	1.311469	20	1.335842	40	1.270687	50	1.272083	60	1.253504
2-Fluorophenol	10	1.181605	20	1.178844	40	1.180039	80	1.193238	100	1.168826	120	1.144284
Hexachlorobenzene	5	0.2575126	10	0.2575853	20	0.2619027	40	0.2605459	50	0.2518877	60	0.2540357
Hexachlorobutadiene	5	0.1941263	10	0.190821	20	0.1916947	40	0.1887442	50	0.1876851	60	0.1875733
Hexachlorocyclopentadiene	5	0.2773927	10	0.2943862	20	0.3124091	40	0.3397755	50	0.3417936	60	0.3558269
Hexachloroethane	5	0.5496614	10	0.5427071	20	0.5570181	40	0.5615267	50	0.5513393	60	0.545632
Indeno(1,2,3-cd)pyrene	5	0.9649368	10	1.068842	20	1.184381	40	1.228125	50	1.226722	60	1.229695
Isophorone	5	0.5919424	10	0.6115095	20	0.6440626	40	0.6330271	50	0.624799	60	0.6193488
1-Methylnaphthalene	5	0.6197771	10	0.6167071	20	0.6390012	40	0.613596	50	0.6048277	60	0.5867606
2-Methylnaphthalene	5	0.6277594	10	0.6309392	20	0.6356689	40	0.6232644	50	0.6070806	60	0.5954836
2-Methylphenol	5	1.112654	10	1.171717	20	1.202226	40	1.213594	50	1.187879	60	1.157879

INITIAL CALIBRATION DATA

SW8270C

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Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12_11:09	3/7/12_18:03

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	1.167412	10	1.190103	20	1.247501	40	1.266706	50	1.24121	60	1.222931
4-Methylphenol	5	1.167412	10	1.190103	20	1.247501	40	1.266706	50	1.24121	60	1.222931
3-Methylphenol/4-Methylphenol	5	1.167412	10	1.190103	20	1.247501	40	1.266706	50	1.24121	60	1.222931
Naphthalene	5	1.157406	10	1.116185	20	1.134018	40	1.077662	50	1.055188	60	1.031544
4-Nitroaniline	5	0.2551251	10	0.2943011	20	0.3213754	40	0.3256761	50	0.3222546	60	0.3171176
3-Nitroaniline	5	0.2989547	10	0.3179847	20	0.3522844	40	0.3636411	50	0.362646	60	0.3597628
2-Nitroaniline	5	0.2268544	10	0.2506106	20	0.2819153	40	0.2921769	50	0.2985936	60	0.2959539
Nitrobenzene	5	0.3520212	10	0.347473	20	0.3645931	40	0.3524153	50	0.3491408	60	0.3473047
Nitrobenzene-d5	5	0.3063388	10	0.3059697	20	0.3233024	40	0.3271362	50	0.32466	60	0.3276527
4-Nitrophenol	5	0.1112329	10	0.1350807	20	0.1773287	40	0.2016293	50	0.2049598	60	0.2168999
2-Nitrophenol	5	0.1379164	10	0.1584468	20	0.1725149	40	0.1863545	50	0.1856033	60	0.1890958
N-Nitrosodimethylamine	5	0.5668771	10	0.550988	20	0.5332217	40	0.5442965	50	0.5369797	60	0.522157
N-Nitrosodiphenylamine	5	0.6841611	10	0.7016909	20	0.7268001	40	0.7010795	50	0.6901712	60	0.6811099
N-Nitroso-di-n-propylamine	5	0.8544181	10	0.8368408	20	0.8577163	40	0.857759	50	0.8473137	60	0.8244342
Pentachlorophenol	5	9.602787E-02	10	0.1217873	20	0.1536087	40	0.1741328	50	0.1740127	60	0.1796891
Phenanthrene	5	1.222805	10	1.200522	20	1.206558	40	1.155347	50	1.126163	60	1.097193
Phenol	5	1.606332	10	1.614638	20	1.602269	40	1.594951	50	1.57898	60	1.525496
Phenol-d6	10	1.487724	20	1.497743	40	1.540952	80	1.487155	100	1.459176	120	1.427895
Pyrene	5	1.257354	10	1.257173	20	1.298459	40	1.25359	50	1.222713	60	1.204908
Pyridine	5	1.446845	10	1.433474	20	1.46446	40	1.454584	50	1.455078	60	1.422564
Terphenyl-d14	5	0.740378	10	0.7434288	20	0.769384	40	0.7561993	50	0.7361603	60	0.7231844
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2830063	10	0.3141302	20	0.3372026	40	0.3422713	50	0.3560547	60	0.349059
2,4,6-Tribromophenol	10	0.1011531	20	0.1104528	40	0.1185843	80	0.1214347	100	0.1216881	120	0.1223278
1,2,4-Trichlorobenzene	5	0.3473633	10	0.3649595	20	0.3667183	40	0.3499609	50	0.3460395	60	0.3476623
2,4,6-Trichlorophenol	5	0.3158197	10	0.3450202	20	0.3615091	40	0.3759123	50	0.3782649	60	0.3782009
2,4,5-Trichlorophenol	5	0.3205653	10	0.3482561	20	0.3770706	40	0.3888653	50	0.3926219	60	0.3889648

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2069001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	3/7/12 11:09 3/7/12 18:03

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	1.161686	100	1.129054								
Acenaphthylene	80	1.718967	100	1.662597								
Acetophenone					5	1.633518	10	1.661849	20	1.679026	40	1.674575
Aniline	80	1.86148	100	1.806876								
Anthracene	80	1.083304	100	1.026495								
Atrazine					5	0.1669596	10	0.1832881	20	0.2006273	40	0.2061185
Benzaldehyde					5	1.000756	10	1.060443	20	1.043239	40	0.9952969
Benzidine					5	0.446998	10	0.5005058	20	0.5731981	40	0.6359156
Benzo(a)anthracene	80	1.101061	100	1.057299								
Benzo(a)pyrene	80	1.053808	100	1.03823								
Benzo(b)fluoranthene	80	1.112431	100	1.092104								
Benzo(g,h,i)perylene	80	1.028142	100	1.012297								
Benzoic acid	80	0.2119693	100	0.2211414								
Benzo(k)fluoranthene	80	1.163457	100	1.123738								
Benzyl alcohol	80	0.8274445	100	0.8181916								
1,1-Biphenyl					5	1.593936	10	1.579234	20	1.591779	40	1.53567
4-Bromophenyl-phenylether	80	0.2262634	100	0.2242331								
Butylbenzylphthalate	80	0.5248972	100	0.5068446								
Caprolactam					5	6.457692E-02	10	7.514627E-02	20	8.543847E-02	40	9.591374E-02
Carbazole	80	1.023555	100	0.9748997								
4-Chloro-3-methylphenol	80	0.2871932	100	0.2834535								
4-Chloroaniline	80	0.4276679	100	0.4091394								
Bis(2-chloroethoxy)methane	80	0.3776376	100	0.3647196								
Bis(2-chloroethyl)ether	80	1.153152	100	1.131008								
2,2'-Oxybis-1-chloropropane	80	1.370226	100	1.338673								
2-Chloronaphthalene	80	1.09628	100	1.064934								
2-Chlorophenol	80	1.315412	100	1.298079								
4-Chlorophenyl phenyl ether	80	0.5869432	100	0.5627889								
Chrysene	80	1.034303	100	0.9868509								
Dibenz(a,h)anthracene	80	0.9766292	100	0.9666365								
Dibenzofuran	80	1.548014	100	1.495765								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03

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	1.15624	100	1.085915								
1,4-Dichlorobenzene	80	1.492616	100	1.454374								
1,3-Dichlorobenzene	80	1.469591	100	1.433145								
1,2-Dichlorobenzene	80	1.403025	100	1.360979								
3,3'-Dichlorobenzidine					5	0.2956833	10	0.3256059	20	0.3645361	40	0.4077935
2,6-Dichlorophenol					5	0.2678228	10	0.2709699	20	0.2823693	40	0.2884764
2,4-Dichlorophenol	80	0.3015934	100	0.2944169								
Diethylphthalate	80	1.238619	100	1.210677								
2,4-Dimethylphenol	80	0.3432923	100	0.333433								
Dimethyl phthalate	80	1.248724	100	1.214481								
4,6-Dinitro-2-methylphenol	80	0.1330251	100	0.1359962								
2,4-Dinitrophenol	80	0.1441985	100	0.1618493								
2,4-Dinitrotoluene	80	0.3963482	100	0.3971775								
2,6-Dinitrotoluene	80	0.2873922	100	0.2858746								
Di-n-octylphthalate	80	1.130941	100	1.123952								
1,4-Dioxane					5	0.5076864	10	0.516735	20	0.5200283	40	0.5253785
1,2-Diphenylhydrazine	80	0.6778715	100	0.651947								
Bis(2-ethylhexyl)phthalate	80	0.7200567	100	0.7027289								
Fluoranthene	80	1.143424	100	1.080442								
Fluorene	80	1.248669	100	1.209385								
2-Fluorobiphenyl	80	1.199484	100	1.167884								
2-Fluorophenol	160	1.117711	200	1.088887								
Hexachlorobenzene	80	0.246548	100	0.239025								
Hexachlorobutadiene	80	0.1850405	100	0.1769454								
Hexachlorocyclopentadiene	80	0.351976	100	0.3444801								
Hexachloroethane	80	0.5290623	100	0.5282515								
Indeno(1,2,3-cd)pyrene	80	1.207558	100	1.200633								
Isophorone	80	0.6027459	100	0.5831207								
1-Methylnaphthalene	80	0.5743257	100	0.5479592								
2-Methylnaphthalene	80	0.5783523	100	0.5549167								
2-Methylphenol	80	1.151649	100	1.1305								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2069001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	3/7/12 11:09 3/7/12 18:03

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	1.20252	100	1.194582								
4-Methylphenol	80	1.20252	100	1.194582								
3-Methylphenol/4-Methylphenol	80	1.20252	100	1.194582								
Naphthalene	80	0.9907383	100	0.9378993								
4-Nitroaniline	80	0.3117642	100	0.3111468								
3-Nitroaniline	80	0.3572085	100	0.3531433								
2-Nitroaniline	80	0.287397	100	0.2877266								
Nitrobenzene	80	0.342079	100	0.3263404								
Nitrobenzene-d5	80	0.3166591	100	0.3111275								
4-Nitrophenol	80	0.2111353	100	0.2143656								
2-Nitrophenol	80	0.1906757	100	0.1887882								
N-Nitrosodimethylamine	80	0.5136068	100	0.5017676								
N-Nitrosodiphenylamine	80	0.656624	100	0.62868								
N-Nitroso-di-n-propylamine	80	0.8157432	100	0.8132918								
Pentachlorophenol	80	0.1796021	100	0.1783998								
Phenanthrene	80	1.057466	100	1.002775								
Phenol	80	1.50143	100	1.452919								
Phenol-d6	160	1.393057	200	1.351561								
Pyrene	80	1.165992	100	1.106405								
Pyridine	80	1.408121	100	1.375509								
Terphenyl-d14	80	0.7229102	100	0.6833961								
1,2,4,5-Tetrachlorobenzene					5	0.3233988	10	0.3334277	20	0.3310187	40	0.3266896
2,3,4,6-Tetrachlorophenol	80	0.348708	100	0.3424568								
2,4,6-Tribromophenol	160	0.1212272	200	0.1174324								
1,2,4-Trichlorobenzene	80	0.3374267	100	0.3265675								
2,4,6-Trichlorophenol	80	0.3676975	100	0.3670361								
2,4,5-Trichlorophenol	80	0.3880782	100	0.3851898								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2069001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	3/7/12 11:09	3/7/12 18:03

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	1.614719	60	1.648695	80	1.643144	100	1.589447				
Aniline												
Anthracene												
Atrazine	50	0.2117066	60	0.2060813	80	0.2053799	100	0.2044052				
Benzaldehyde	50	0.9615826	60	0.9673993	80	0.9269678	100	0.8645434				
Benzidine	50	0.6448119	60	0.6610748	80	0.675402	100	0.6585517				
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	1.518174	60	1.512254	80	1.43882	100	1.390937				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	9.481478E-02	60	9.911151E-02	80	0.1016293	100	0.1028617				
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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2069001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	3/7/12 11:09 3/7/12 18:03

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	0.415324	60	0.4181953	80	0.424945	100	0.415712				
2,6-Dichlorophenol	50	0.2885041	60	0.2951449	80	0.2877083	100	0.2846047				
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	0.5115708	60	0.5131032	80	0.5251691	100	0.5077941				
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_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2069001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03

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	0.3222154	60	0.3229126	80	0.3138915	100	0.3023816				
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_049		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2069001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.227044	4.864946	8.647625	3.833548E-02			CCC (30)	
Acenaphthylene	1.852065	6.00076	8.42275	3.930673E-02			15	
Acetophenone	1.643122	1.845981	5.513625	0.0180145			15	
Aniline	1.920213	3.17021	4.745875	5.375006E-02			15	
Anthracene	1.133012	4.960512	10.4695	3.408476E-02			15	
Atrazine	0.1980708	7.636222	10.09562	5.033099E-02			15	
Benzaldehyde	0.9775285	6.438309	4.605	2.204318E-02			15	
Benzidine	0.5995572	14.11989	12.04362	2.360079E-02			15	
Benzo(a)anthracene	1.103689	3.4077	13.78625	2.516532E-02			15	
Benzo(a)pyrene	1.023811	7.799079	16.01388	4.231634E-02			CCC (30)	
Benzo(b)fluoranthene	1.0754	4.501764	15.49363	3.744843E-02			15	
Benzo(g,h,i)perylene	1.01249	5.041178	18.2955	7.033046E-02			15	
Benzoic acid	0.1648649	35.3156	6.230571	0.4954239	0.9961517		0.995	
Benzo(k)fluoranthene	1.219317	5.505448	15.5325	4.901943E-02			15	
Benzyl alcohol	0.8296776	3.007819	5.21525	4.306501E-02			15	
1,1-Biphenyl	1.520101	4.82675	7.9	2.553961E-02			15	
4-Bromophenyl-phenylether	0.2337657	2.639399	9.8465	4.298401E-03			15	
Butylbenzylphthalate	0.4859791	12.3247	13.04587	1.965552E-02			15	
Caprolactam	8.993659E-02	15.32399	6.95125	0.1358928	0.999199		0.995	
Carbazole	1.0754	4.879727	10.677	2.790652E-02			15	
4-Chloro-3-methylphenol	0.2837354	6.89608	7.1755	2.024992E-02			CCC (30)	
4-Chloroaniline	0.4371268	3.400488	6.60425	2.975869E-02			15	
Bis(2-chloroethoxy)methane	0.3933903	4.378176	6.228875	3.189292E-02			15	
Bis(2-chloroethyl)ether	1.211893	4.544746	4.80075	7.228911E-02			15	
2,2'-Oxybis-1-chloropropane	1.445655	4.882537	5.3855	2.273893E-02			15	
2-Chloronaphthalene	1.153308	4.424048	7.9125	1.220238E-02			15	
2-Chlorophenol	1.325446	2.387116	4.86125	4.627881E-02			15	
4-Chlorophenyl phenyl ether	0.6302053	6.738265	9.2585	1.486816E-02			15	
Chrysene	1.078355	4.93347	13.85212	0.0382447			15	
Dibenz(a,h)anthracene	0.9600494	7.772666	17.86163	4.062082E-02			15	
Dibenzofuran	1.660029	6.034938	8.838625	4.237962E-02			15	
Di-n-butylphthalate	1.17206	7.063743	11.16188	2.159082E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2069001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.541397	3.459213	5.0685	4.277777E-02			CCC (30)	
1,3-Dichlorobenzene	1.534159	4.307476	5.0115	0.0215781			15	
1,2-Dichlorobenzene	1.454799	3.745045	5.2735	2.287191E-02			15	
3,3'-Dichlorobenzidine	0.3834744	12.84544	13.78412	1.882451E-02			15	
2,6-Dichlorophenol	0.2832	3.289974	6.61125	3.843761E-02			15	
2,4-Dichlorophenol	0.2992222	4.667322	6.338625	5.605464E-02			CCC (30)	
Diethylphthalate	1.275695	3.014484	9.19125	4.919114E-02			15	
2,4-Dimethylphenol	0.3493162	3.096625	6.114875	5.387616E-02			15	
Dimethyl phthalate	1.296933	3.434812	8.33725	4.431741E-02			15	
4,6-Dinitro-2-methylphenol	0.1014239	35.8407	9.379	7.469956E-02	0.9972822		0.995	
2,4-Dinitrophenol	0.1068214	43.18958	8.702143	4.903938E-02		0.9973152	SPCC (0.05)	
2,4-Dinitrotoluene	0.3721936	13.04171	8.889875	0.0631519			15	
2,6-Dinitrotoluene	0.2865519	5.10982	8.421375	5.138237E-02			15	
Di-n-octylphthalate	0.985916	22.25374	14.88813	1.268214E-02	0.9993841		CCC (30)	
1,4-Dioxane	0.5159332	1.37673	2.421625	0.1271675			15	
1,2-Diphenylhydrazine	0.71551	4.887484	9.446875	2.594633E-02			15	
Bis(2-ethylhexyl)phthalate	0.661211	14.17394	13.9205	1.797449E-02			15	
Fluoranthene	1.205185	5.400297	11.87088	2.458397E-02			CCC (30)	
Fluorene	1.348421	6.370343	9.256	3.476573E-02			15	
2-Fluorobiphenyl	1.271699	5.17271	7.796375	3.357512E-02			15	
2-Fluorophenol	1.156679	3.169847	3.79625	6.060748E-02			15	
Hexachlorobenzene	0.2536304	3.030819	10.02588	3.748228E-02			15	
Hexachlorobutadiene	0.1878288	2.778862	6.7305	2.754416E-02			CCC (30)	
Hexachlorocyclopentadiene	0.327255	8.855818	7.60725	1.621192E-02			SPCC (0.05)	
Hexachloroethane	0.5456498	2.208272	5.61075	4.047664E-02			15	
Indeno(1,2,3-cd)pyrene	1.163862	8.260258	17.83087	5.177222E-02			15	
Isophorone	0.6138195	3.363452	5.96525	0.0567797			15	
1-Methylnaphthalene	0.6003693	4.852516	7.460375	3.193891E-02			15	
2-Methylnaphthalene	0.6066831	4.726478	7.33025	8.918535E-03			15	
2-Methylphenol	1.166012	2.98268	5.352875	3.866228E-02			15	
3-Methylphenol	1.216621	2.764021	5.515875	6.588678E-02			15	
4-Methylphenol	1.216621	2.764021	5.515875	6.588678E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2069001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	3/7/12 11:09	3/7/12 18:03	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.216621	2.764021	5.515875	6.588678E-02			15	
Naphthalene	1.06258	7.017452	6.51475	4.256359E-02			15	
4-Nitroaniline	0.3073451	7.562568	9.33425	9.010066E-02			15	
3-Nitroaniline	0.3457032	6.907222	8.58575	6.574782E-02			15	
2-Nitroaniline	0.2776535	9.142664	8.08075	4.018846E-02			15	
Nitrobenzene	0.3476709	3.106201	5.710875	3.342214E-02			15	
Nitrobenzene-d5	0.3178558	2.860499	5.69	3.115669E-02			15	
4-Nitrophenol	0.184079	21.75259	8.786	3.302157E-02	0.9992424		SPCC (0.05)	
2-Nitrophenol	0.1761745	10.7703	6.074625	2.777139E-02			CCC (30)	
N-Nitrosodimethylamine	0.5337368	3.929749	2.680625	9.218525E-02			15	
N-Nitrosodiphenylamine	0.6837896	4.384654	9.413125	5.598224E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.8384396	2.219986	5.541375	7.407544E-02			SPCC (0.05)	
Pentachlorophenol	0.1571575	20.17253	10.24225	2.339801E-02	0.9996153		CCC (30)	
Phenanthrene	1.133604	6.875562	10.41662	2.753278E-02			15	
Phenol	1.559627	3.799947	4.713375	0.1059602			CCC (30)	
Phenol-d6	1.455658	4.235182	4.701125	0.1127991			15	
Pyrene	1.220824	5.002827	12.14475	0.0111496			15	
Pyridine	1.432579	2.071852	2.6925	0.2917126			15	
Terphenyl-d14	0.7343801	3.520372	12.35238	2.112124E-02			15	
1,2,4,5-Tetrachlorobenzene	0.321992	3.077555	7.58075	8.798937E-03			15	
2,3,4,6-Tetrachlorophenol	0.3341111	7.221245	9.04225	3.782611E-02			15	
2,4,6-Tribromophenol	0.1167875	6.343785	9.576625	3.488301E-02			15	
1,2,4-Trichlorobenzene	0.3483372	3.784414	6.4435	5.238815E-03			15	
2,4,6-Trichlorophenol	0.3611826	5.914347	7.70325	2.642572E-02			CCC (30)	
2,4,5-Trichlorophenol	0.3737015	6.890821	7.74425	3.211495E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV1	Injection Time:	18:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	52.00	1.227044	1.276056		4.0	20
Acenaphthylene	A	50.00	52.76	1.852065	1.9543		5.5	20
Anthracene	A	50.00	52.66	1.133012	1.193222		5.3	20
Benzo(a)anthracene	A	50.00	53.98	1.103689	1.191454		8.0	20
Benzo(a)pyrene	A	50.00	55.43	1.023811	1.135096		10.9	20
Benzo(b)fluoranthene	A	50.00	54.33	1.0754	1.168493		8.7	20
Benzo(g,h,i)perylene	A	50.00	55.39	1.01249	1.121541		10.8	20
Benzoic acid	L	50.00	46.08	0.1648649	0.1729295		-7.8	20
Benzo(k)fluoranthene	A	50.00	54.24	1.219317	1.322736		8.5	20
4-Bromophenyl-phenylether	A	50.00	52.23	0.2337657	0.2442136		4.5	20
Butylbenzylphthalate	A	50.00	56.72	0.4859791	0.5513246		13.4	20
Carbazole	A	50.00	52.23	1.0754	1.123304		4.5	20
4-Chloro-3-methylphenol	A	50.00	53.61	0.2837354	0.3042309		7.2	20
4-Chloroaniline	A	50.00	52.05	0.4371268	0.4550255		4.1	20
Bis(2-chloroethoxy)methane	A	50.00	51.99	0.3933903	0.4090713		4.0	20
Bis(2-chloroethyl)ether	A	50.00	50.55	1.211893	1.225259		1.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.11	1.445655	1.47773		2.2	20
2-Chloronaphthalene	A	50.00	52.20	1.153308	1.203964		4.4	20
2-Chlorophenol	A	50.00	52.54	1.325446	1.392684		5.1	20
4-Chlorophenyl phenyl ether	A	50.00	51.27	0.6302053	0.6462343		2.5	20
Chrysene	A	50.00	54.42	1.078355	1.173791		8.9	20
Dibenz(a,h)anthracene	A	50.00	56.25	0.9600494	1.080018		12.5	20
Dibenzofuran	A	50.00	52.18	1.660029	1.732339		4.4	20
Di-n-butylphthalate	A	50.00	51.77	1.17206	1.213573		3.5	20
2,4-Dichlorophenol	A	50.00	52.71	0.2992222	0.3154283		5.4	20
Diethylphthalate	A	50.00	51.93	1.275695	1.324972		3.9	20
2,4-Dimethylphenol	A	50.00	53.42	0.3493162	0.3732116		6.8	20
Dimethyl phthalate	A	50.00	50.82	1.296933	1.318188		1.6	20
4,6-Dinitro-2-methylphenol	L	50.00	51.69	0.1014239	0.1293189		3.4	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV1	Injection Time:	18:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	50.10	0.1068214	0.1183792	0.05	0.2	20
2,4-Dinitrotoluene	A	50.00	55.80	0.3721936	0.4153476		11.6	20
2,6-Dinitrotoluene	A	50.00	54.85	0.2865519	0.3143413		9.7	20
Di-n-octylphthalate	L	50.00	53.13	0.985916	1.178154		6.3	20
1,2-Diphenylhydrazine	A	50.00	52.23	0.71551	0.7473915		4.5	20
Bis(2-ethylhexyl)phthalate	A	50.00	57.17	0.661211	0.756006		14.3	20
Fluoranthene	A	50.00	51.90	1.205185	1.251031		3.8	20
Fluorene	A	50.00	52.22	1.348421	1.408386		4.4	20
Hexachlorobenzene	A	50.00	52.07	0.2536304	0.2641153		4.1	20
Hexachlorobutadiene	A	50.00	56.24	0.1878288	0.2112509		12.5	20
Hexachlorocyclopentadiene	A	50.00	48.84	0.327255	0.3196786	0.05	-2.3	20
Hexachloroethane	A	50.00	51.26	0.5456498	0.5593946		2.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.66	1.163862	1.295695		11.3	20
Isophorone	A	50.00	51.91	0.6138195	0.6372433		3.8	20
1-Methylnaphthalene	A	50.00	51.32	0.6003693	0.6162421		2.6	20
2-Methylnaphthalene	A	50.00	52.13	0.6066831	0.6325463		4.3	20
2-Methylphenol	A	50.00	53.12	1.166012	1.238661		6.2	20
3-Methylphenol/4-Methylphenol	A	50.00	52.22	1.216621	1.270688		4.4	20
Naphthalene	A	50.00	57.39	1.06258	1.219699		14.8	20
4-Nitroaniline	A	50.00	55.53	0.3073451	0.3413505		11.1	20
3-Nitroaniline	A	50.00	53.42	0.3457032	0.3693171		6.8	20
2-Nitroaniline	A	50.00	56.27	0.2776535	0.312493		12.5	20
Nitrobenzene	A	50.00	51.96	0.3476709	0.361304		3.9	20
4-Nitrophenol	L	50.00	51.53	0.184079	0.2140291	0.05	3.1	20
2-Nitrophenol	A	50.00	54.11	0.1761745	0.1906549		8.2	20
N-Nitrosodiphenylamine	A	50.00	51.80	0.6837896	0.7084296		3.6	20
N-Nitroso-di-n-propylamine	A	50.00	52.16	0.8384396	0.8745855	0.05	4.3	20
Pentachlorophenol	L	50.00	56.52	0.1571575	0.1989195		13.0	20
Phenanthrene	A	50.00	52.87	1.133604	1.198731		5.7	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV1	Injection Time:	18:30

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Phenol	A	50.00	51.42	1.559627	1.603889		2.8	20
Pyrene	A	50.00	51.29	1.220824	1.252269		2.6	20
2,4,6-Trichlorophenol	A	50.00	54.67	0.3611826	0.3949292		9.3	20
2,4,5-Trichlorophenol	A	50.00	54.87	0.3737015	0.410079		9.7	20
2-Fluorobiphenyl	A	50.00	53.51	1.271699	1.360853		7.0	20
2-Fluorophenol	A	100.0	109.3	1.156679	1.263771		9.3	20
Nitrobenzene-d5	A	50.00	54.93	0.3178558	0.3492182		9.9	20
Phenol-d6	A	100.0	98.29	1.455658	1.430708		-1.7	20
Terphenyl-d14	A	50.00	57.87	0.7343801	0.8500266		15.7	20
2,4,6-Tribromophenol	A	100.0	103.0	0.1167875	0.1202622		3.0	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	03/07/12 00:00
Sequence:	2C06808	Injection Date:	03/07/12
Lab Sample ID:	2C06808-ICV2	Injection Time:	18:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.95	1.643122	1.608628		-2.1	20
Atrazine	A	50.00	49.96	0.1980708	0.1979183		-0.08	20
Benzaldehyde	A	50.00	40.93	0.9775285	0.8002035		-18.1	20
Benzidine	A	50.00	46.04	0.5995572	0.5520445		-7.9	20
1,1-Biphenyl	A	50.00	50.58	1.520101	1.537665		1.2	20
Caprolactam	L	50.00	51.48	8.993659E-02	0.1016629		3.0	20
3,3'-Dichlorobenzidine	A	50.00	51.46	0.3834744	0.394669		2.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10004	Injection Date:	04/07/12
Lab Sample ID:	2D10004-CCV1	Injection Time:	12:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.72	1.227044	1.269385		3.5	20
Acenaphthylene	A	50.00	53.24	1.852065	1.972036		6.5	20
Anthracene	A	50.00	52.22	1.133012	1.183346		4.4	20
Benzo(a)anthracene	A	50.00	53.80	1.103689	1.187543		7.6	20
Benzo(a)pyrene	A	50.00	55.28	1.023811	1.131967		10.6	20
Benzo(b)fluoranthene	A	50.00	54.98	1.0754	1.182466		10.0	20
Benzo(g,h,i)perylene	A	50.00	52.68	1.01249	1.066877		5.4	20
Benzoic acid	L	50.00	52.67	0.1648649	0.20504		5.3	20
Benzo(k)fluoranthene	A	50.00	51.33	1.219317	1.251704		2.7	20
4-Bromophenyl-phenylether	A	50.00	52.83	0.2337657	0.2469965		5.7	20
Butylbenzylphthalate	A	50.00	59.70	0.4859791	0.5802543		19.4	20
Carbazole	A	50.00	52.36	1.0754	1.126168		4.7	20
4-Chloro-3-methylphenol	A	50.00	55.91	0.2837354	0.3173011		11.8	20
4-Chloroaniline	A	50.00	51.55	0.4371268	0.450691		3.1	20
Bis(2-chloroethoxy)methane	A	50.00	48.12	0.3933903	0.3785954		-3.8	20
Bis(2-chloroethyl)ether	A	50.00	48.76	1.211893	1.181951		-2.5	20
2,2'-Oxybis-1-chloropropane	A	50.00	45.82	1.445655	1.324913		-8.4	20
2-Chloronaphthalene	A	50.00	52.24	1.153308	1.20506		4.5	20
2-Chlorophenol	A	50.00	51.93	1.325446	1.376692		3.9	20
4-Chlorophenyl phenyl ether	A	50.00	52.91	0.6302053	0.6668786		5.8	20
Chrysene	A	50.00	51.19	1.078355	1.104111		2.4	20
Dibenz(a,h)anthracene	A	50.00	54.27	0.9600494	1.041983		8.5	20
Dibenzofuran	A	50.00	51.92	1.660029	1.723973		3.9	20
Di-n-butylphthalate	A	50.00	56.14	1.17206	1.316107		12.3	20
2,4-Dichlorophenol	A	50.00	52.43	0.2992222	0.3137831		4.9	20
Diethylphthalate	A	50.00	54.04	1.275695	1.378837		8.1	20
2,4-Dimethylphenol	A	50.00	52.81	0.3493162	0.3689637		5.6	20
Dimethyl phthalate	A	50.00	53.58	1.296933	1.389942		7.2	20
4,6-Dinitro-2-methylphenol	L	50.00	60.12	0.1014239	0.1535037		20.2	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10004	Injection Date:	04/07/12
Lab Sample ID:	2D10004-CCV1	Injection Time:	12:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrophenol	Q	50.00	68.30	0.1068214	0.1823222	0.05	36.6	20	*
2,4-Dinitrotoluene	A	50.00	59.33	0.3721936	0.4416655		18.7	20	
2,6-Dinitrotoluene	A	50.00	56.91	0.2865519	0.32617		13.8	20	
Di-n-octylphthalate	L	50.00	59.91	0.985916	1.337005		19.8	20	
1,2-Diphenylhydrazine	A	50.00	49.50	0.71551	0.7083536		-1.0	20	
Bis(2-ethylhexyl)phthalate	A	50.00	62.15	0.661211	0.8219133		24.3	20	*
Fluoranthene	A	50.00	52.56	1.205185	1.26694		5.1	20	
Fluorene	A	50.00	53.21	1.348421	1.434916		6.4	20	
Hexachlorobenzene	A	50.00	53.86	0.2536304	0.2731959		7.7	20	
Hexachlorobutadiene	A	50.00	53.83	0.1878288	0.2022191		7.7	20	
Hexachlorocyclopentadiene	A	50.00	66.67	0.327255	0.4363906	0.05	33.3	20	*
Hexachloroethane	A	50.00	53.16	0.5456498	0.5800896		6.3	20	
Indeno(1,2,3-cd)pyrene	A	50.00	54.59	1.163862	1.270674		9.2	20	
Isophorone	A	50.00	49.39	0.6138195	0.606363		-1.2	20	
1-Methylnaphthalene	A	50.00	51.51	0.6003693	0.6184736		3.0	20	
2-Methylnaphthalene	A	50.00	52.71	0.6066831	0.6395493		5.4	20	
2-Methylphenol	A	50.00	51.04	1.166012	1.190374		2.1	20	
3-Methylphenol/4-Methylphenol	A	50.00	50.62	1.216621	1.231736		1.2	20	
Naphthalene	A	50.00	50.36	1.06258	1.070187		0.7	20	
4-Nitroaniline	A	50.00	54.74	0.3073451	0.3364698		9.5	20	
3-Nitroaniline	A	50.00	52.90	0.3457032	0.3657684		5.8	20	
2-Nitroaniline	A	50.00	56.67	0.2776535	0.3146835		13.3	20	
Nitrobenzene	A	50.00	50.03	0.3476709	0.3478517		0.05	20	
4-Nitrophenol	L	50.00	55.24	0.184079	0.2305444	0.05	10.5	20	
2-Nitrophenol	A	50.00	58.14	0.1761745	0.2048511		16.3	20	
N-Nitrosodiphenylamine	A	50.00	52.13	0.6837896	0.7129675		4.3	20	
N-Nitroso-di-n-propylamine	A	50.00	50.12	0.8384396	0.8404418	0.05	0.2	20	
Pentachlorophenol	L	50.00	54.33	0.1571575	0.1908045		8.7	20	
Phenanthrene	A	50.00	51.10	1.133604	1.158662		2.2	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10004	Injection Date:	04/07/12
Lab Sample ID:	2D10004-CCV1	Injection Time:	12:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	49.71	1.559627	1.550639		-0.6	20
Pyrene	A	50.00	51.56	1.220824	1.258947		3.1	20
2,4,6-Trichlorophenol	A	50.00	55.99	0.3611826	0.4044279		12.0	20
2,4,5-Trichlorophenol	A	50.00	56.97	0.3737015	0.4258274		13.9	20
2-Fluorobiphenyl	A	50.00	58.24	1.271699	1.481219		16.5	20
2-Fluorophenol	A	100.0	105.0	1.156679	1.214952		5.0	20
Nitrobenzene-d5	A	50.00	56.49	0.3178558	0.3591126		13.0	20
Phenol-d6	A	100.0	104.5	1.455658	1.520895		4.5	20
Terphenyl-d14	A	50.00	58.93	0.7343801	0.8655878		17.9	20
2,4,6-Tribromophenol	A	100.0	119.8	0.1167875	0.1399448		19.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10004	Injection Date:	04/07/12
Lab Sample ID:	2D10004-CCV2	Injection Time:	13:24

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.30	1.643122	1.685797		2.6	20
Atrazine	A	50.00	58.34	0.1980708	0.231131		16.7	20
Benzaldehyde	A	50.00	49.72	0.9775285	0.9721566		-0.5	20
Benzidine	A	50.00	67.23	0.5995572	0.8061531		34.5	20 *
1,1-Biphenyl	A	50.00	52.92	1.520101	1.608916		5.8	20
Caprolactam	L	50.00	51.76	8.993659E-02	0.1022343		3.5	20
3,3'-Dichlorobenzidine	A	50.00	56.61	0.3834744	0.4341411		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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10708	Injection Date:	04/13/12
Lab Sample ID:	2D10708-CCV1	Injection Time:	15:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	52.04	1.227044	1.277159		4.1	20
Acenaphthylene	A	50.00	53.24	1.852065	1.971937		6.5	20
Anthracene	A	50.00	52.20	1.133012	1.18284		4.4	20
Benzo(a)anthracene	A	50.00	53.41	1.103689	1.17898		6.8	20
Benzo(a)pyrene	A	50.00	54.62	1.023811	1.118427		9.2	20
Benzo(b)fluoranthene	A	50.00	57.05	1.0754	1.22697		14.1	20
Benzo(g,h,i)perylene	A	50.00	54.34	1.01249	1.100308		8.7	20
Benzoic acid	L	50.00	56.14	0.1648649	0.2219758		12.3	20
Benzo(k)fluoranthene	A	50.00	49.90	1.219317	1.216799		-0.2	20
4-Bromophenyl-phenylether	A	50.00	51.29	0.2337657	0.2397946		2.6	20
Butylbenzylphthalate	A	50.00	57.21	0.4859791	0.5560902		14.4	20
Carbazole	A	50.00	51.98	1.0754	1.118083		4.0	20
4-Chloro-3-methylphenol	A	50.00	55.74	0.2837354	0.316282		11.5	20
4-Chloroaniline	A	50.00	52.15	0.4371268	0.4559056		4.3	20
Bis(2-chloroethoxy)methane	A	50.00	49.59	0.3933903	0.3901651		-0.8	20
Bis(2-chloroethyl)ether	A	50.00	47.96	1.211893	1.162588		-4.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	46.24	1.445655	1.337055		-7.5	20
2-Chloronaphthalene	A	50.00	52.07	1.153308	1.20108		4.1	20
2-Chlorophenol	A	50.00	51.90	1.325446	1.375944		3.8	20
4-Chlorophenyl phenyl ether	A	50.00	53.37	0.6302053	0.6726662		6.7	20
Chrysene	A	50.00	51.23	1.078355	1.104859		2.5	20
Dibenz(a,h)anthracene	A	50.00	54.77	0.9600494	1.051625		9.5	20
Dibenzofuran	A	50.00	52.26	1.660029	1.734943		4.5	20
Di-n-butylphthalate	A	50.00	54.26	1.17206	1.271953		8.5	20
2,4-Dichlorophenol	A	50.00	54.52	0.2992222	0.3262527		9.0	20
Diethylphthalate	A	50.00	53.56	1.275695	1.366582		7.1	20
2,4-Dimethylphenol	A	50.00	53.90	0.3493162	0.376563		7.8	20
Dimethyl phthalate	A	50.00	53.51	1.296933	1.38793		7.0	20
4,6-Dinitro-2-methylphenol	L	50.00	57.57	0.1014239	0.146186		15.1	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10708	Injection Date:	04/13/12
Lab Sample ID:	2D10708-CCV1	Injection Time:	15:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	66.40	0.1068214	0.1752086	0.05	32.8	20 *
2,4-Dinitrotoluene	A	50.00	58.08	0.3721936	0.4323538		16.2	20
2,6-Dinitrotoluene	A	50.00	56.08	0.2865519	0.3213853		12.2	20
Di-n-octylphthalate	L	50.00	56.52	0.985916	1.257443		13.0	20
1,2-Diphenylhydrazine	A	50.00	49.00	0.71551	0.7012307		-2.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	58.60	0.661211	0.774895		17.2	20
Fluoranthene	A	50.00	51.84	1.205185	1.249558		3.7	20
Fluorene	A	50.00	52.74	1.348421	1.422407		5.5	20
Hexachlorobenzene	A	50.00	51.68	0.2536304	0.2621766		3.4	20
Hexachlorobutadiene	A	50.00	53.05	0.1878288	0.1992902		6.1	20
Hexachlorocyclopentadiene	A	50.00	66.18	0.327255	0.4331908	0.05	32.4	20 *
Hexachloroethane	A	50.00	51.21	0.5456498	0.5588746		2.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.91	1.163862	1.301391		11.8	20
Isophorone	A	50.00	51.08	0.6138195	0.627055		2.2	20
1-Methylnaphthalene	A	50.00	51.96	0.6003693	0.6238522		3.9	20
2-Methylnaphthalene	A	50.00	52.44	0.6066831	0.6363575		4.9	20
2-Methylphenol	A	50.00	51.06	1.166012	1.190861		2.1	20
3-Methylphenol/4-Methylphenol	A	50.00	50.74	1.216621	1.23477		1.5	20
Naphthalene	A	50.00	51.94	1.06258	1.103795		3.9	20
4-Nitroaniline	A	50.00	55.21	0.3073451	0.3393679		10.4	20
3-Nitroaniline	A	50.00	53.78	0.3457032	0.371828		7.6	20
2-Nitroaniline	A	50.00	57.64	0.2776535	0.3201086		15.3	20
Nitrobenzene	A	50.00	51.08	0.3476709	0.3551806		2.2	20
4-Nitrophenol	L	50.00	55.48	0.184079	0.2315727	0.05	11.0	20
2-Nitrophenol	A	50.00	58.92	0.1761745	0.2075978		17.8	20
N-Nitrosodiphenylamine	A	50.00	51.12	0.6837896	0.6991304		2.2	20
N-Nitroso-di-n-propylamine	A	50.00	49.71	0.8384396	0.8335165	0.05	-0.6	20
Pentachlorophenol	L	50.00	53.26	0.1571575	0.1868422		6.5	20
Phenanthrene	A	50.00	51.28	1.133604	1.162723		2.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10708	Injection Date:	04/13/12
Lab Sample ID:	2D10708-CCV1	Injection Time:	15:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	51.40	1.559627	1.603256		2.8	20
Pyrene	A	50.00	51.56	1.220824	1.258869		3.1	20
2,4,6-Trichlorophenol	A	50.00	56.20	0.3611826	0.4059432		12.4	20
2,4,5-Trichlorophenol	A	50.00	56.35	0.3737015	0.4211754		12.7	20
2-Fluorobiphenyl	A	50.00	57.56	1.271699	1.46389		15.1	20
2-Fluorophenol	A	100.0	104.5	1.156679	1.208861		4.5	20
Nitrobenzene-d5	A	50.00	57.87	0.3178558	0.3678693		15.7	20
Phenol-d6	A	100.0	105.2	1.455658	1.530833		5.2	20
Terphenyl-d14	A	50.00	58.62	0.7343801	0.8610599		17.2	20
2,4,6-Tribromophenol	A	100.0	117.3	0.1167875	0.1369971		17.3	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10708	Injection Date:	04/13/12
Lab Sample ID:	2D10708-CCV2	Injection Time:	15:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	54.80	1.643122	1.80092		9.6	20
Atrazine	A	50.00	58.84	0.1980708	0.233078		17.7	20
Benzaldehyde	A	50.00	51.17	0.9775285	1.000419		2.3	20
Benzidine	A	50.00	66.12	0.5995572	0.7928989		32.2	20 *
1,1-Biphenyl	A	50.00	51.64	1.520101	1.570055		3.3	20
Caprolactam	L	50.00	54.35	8.993659E-02	0.1077123		8.7	20
3,3'-Dichlorobenzidine	A	50.00	59.26	0.3834744	0.4545187		18.5	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10909	Injection Date:	04/17/12
Lab Sample ID:	2D10909-CCV1	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.55	1.227044	1.240484		1.1	20
Acenaphthylene	A	50.00	52.19	1.852065	1.933087		4.4	20
Anthracene	A	50.00	51.69	1.133012	1.171252		3.4	20
Benzo(a)anthracene	A	50.00	53.86	1.103689	1.188784		7.7	20
Benzo(a)pyrene	A	50.00	55.09	1.023811	1.128044		10.2	20
Benzo(b)fluoranthene	A	50.00	57.87	1.0754	1.244662		15.7	20
Benzo(g,h,i)perylene	A	50.00	51.21	1.01249	1.03708		2.4	20
Benzoic acid	L	50.00	50.05	0.1648649	0.1922557		0.1	20
Benzo(k)fluoranthene	A	50.00	48.98	1.219317	1.194328		-2.0	20
4-Bromophenyl-phenylether	A	50.00	52.94	0.2337657	0.2475224		5.9	20
Butylbenzylphthalate	A	50.00	58.05	0.4859791	0.5642087		16.1	20
Carbazole	A	50.00	50.74	1.0754	1.091325		1.5	20
4-Chloro-3-methylphenol	A	50.00	56.52	0.2837354	0.3207422		13.0	20
4-Chloroaniline	A	50.00	52.25	0.4371268	0.4568332		4.5	20
Bis(2-chloroethoxy)methane	A	50.00	49.66	0.3933903	0.3907548		-0.7	20
Bis(2-chloroethyl)ether	A	50.00	48.28	1.211893	1.170199		-3.4	20
2,2'-Oxybis-1-chloropropane	A	50.00	46.06	1.445655	1.331774		-7.9	20
2-Chloronaphthalene	A	50.00	50.99	1.153308	1.176154		2.0	20
2-Chlorophenol	A	50.00	52.14	1.325446	1.382258		4.3	20
4-Chlorophenyl phenyl ether	A	50.00	52.72	0.6302053	0.6644973		5.4	20
Chrysene	A	50.00	51.18	1.078355	1.103893		2.4	20
Dibenz(a,h)anthracene	A	50.00	53.39	0.9600494	1.025221		6.8	20
Dibenzofuran	A	50.00	50.82	1.660029	1.687396		1.6	20
Di-n-butylphthalate	A	50.00	53.66	1.17206	1.257775		7.3	20
2,4-Dichlorophenol	A	50.00	55.17	0.2992222	0.3301709		10.3	20
Diethylphthalate	A	50.00	53.04	1.275695	1.353195		6.1	20
2,4-Dimethylphenol	A	50.00	53.59	0.3493162	0.3743969		7.2	20
Dimethyl phthalate	A	50.00	52.78	1.296933	1.369171		5.6	20
4,6-Dinitro-2-methylphenol	L	50.00	59.78	0.1014239	0.1525314		19.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10909	Injection Date:	04/17/12
Lab Sample ID:	2D10909-CCV1	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrophenol	Q	50.00	63.37	0.1068214	0.1640932	0.05	26.7	20	*
2,4-Dinitrotoluene	A	50.00	58.56	0.3721936	0.4359494		17.1	20	
2,6-Dinitrotoluene	A	50.00	57.68	0.2865519	0.3305551		15.4	20	
Di-n-octylphthalate	L	50.00	56.51	0.985916	1.257314		13.0	20	
1,2-Diphenylhydrazine	A	50.00	48.62	0.71551	0.6957601		-2.8	20	
Bis(2-ethylhexyl)phthalate	A	50.00	59.30	0.661211	0.7842556		18.6	20	
Fluoranthene	A	50.00	50.46	1.205185	1.216371		0.9	20	
Fluorene	A	50.00	51.81	1.348421	1.397266		3.6	20	
Hexachlorobenzene	A	50.00	52.66	0.2536304	0.2671253		5.3	20	
Hexachlorobutadiene	A	50.00	54.00	0.1878288	0.2028753		8.0	20	
Hexachlorocyclopentadiene	A	50.00	65.12	0.327255	0.4262115	0.05	30.2	20	*
Hexachloroethane	A	50.00	51.54	0.5456498	0.5624419		3.1	20	
Indeno(1,2,3-cd)pyrene	A	50.00	54.33	1.163862	1.264765		8.7	20	
Isophorone	A	50.00	51.05	0.6138195	0.6266745		2.1	20	
1-Methylnaphthalene	A	50.00	52.07	0.6003693	0.6251992		4.1	20	
2-Methylnaphthalene	A	50.00	53.41	0.6066831	0.6480907		6.8	20	
2-Methylphenol	A	50.00	51.25	1.166012	1.195102		2.5	20	
3-Methylphenol/4-Methylphenol	A	50.00	52.00	1.216621	1.265389		4.0	20	
Naphthalene	A	50.00	50.70	1.06258	1.07735		1.4	20	
4-Nitroaniline	A	50.00	54.52	0.3073451	0.3351418		9.0	20	
3-Nitroaniline	A	50.00	53.18	0.3457032	0.367722		6.4	20	
2-Nitroaniline	A	50.00	56.63	0.2776535	0.3144932		13.3	20	
Nitrobenzene	A	50.00	50.56	0.3476709	0.3515762		1.1	20	
4-Nitrophenol	L	50.00	54.12	0.184079	0.2255553	0.05	8.2	20	
2-Nitrophenol	A	50.00	60.39	0.1761745	0.2127954		20.8	20	*
N-Nitrosodiphenylamine	A	50.00	50.64	0.6837896	0.6925447		1.3	20	
N-Nitroso-di-n-propylamine	A	50.00	50.69	0.8384396	0.8500847	0.05	1.4	20	
Pentachlorophenol	L	50.00	55.33	0.1571575	0.1945341		10.7	20	
Phenanthrene	A	50.00	49.89	1.133604	1.13102		-0.2	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10909	Injection Date:	04/17/12
Lab Sample ID:	2D10909-CCV1	Injection Time:	14:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	54.27	1.559627	1.692893		8.5	20
Pyrene	A	50.00	51.76	1.220824	1.263922		3.5	20
2,4,6-Trichlorophenol	A	50.00	56.72	0.3611826	0.4097332		13.4	20
2,4,5-Trichlorophenol	A	50.00	56.03	0.3737015	0.4187629		12.1	20
2-Fluorobiphenyl	A	50.00	56.36	1.271699	1.433607		12.7	20
2-Fluorophenol	A	100.0	103.6	1.156679	1.197758		3.6	20
Nitrobenzene-d5	A	50.00	58.42	0.3178558	0.3713836		16.8	20
Phenol-d6	A	100.0	103.6	1.455658	1.507514		3.6	20
Terphenyl-d14	A	50.00	58.43	0.7343801	0.8581563		16.9	20
2,4,6-Tribromophenol	A	100.0	119.0	0.1167875	0.1389837		19.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2069001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	03/07/12 00:00
Sequence:	2D10909	Injection Date:	04/17/12
Lab Sample ID:	2D10909-CCV2	Injection Time:	15:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.48	1.643122	1.691908		3.0	20
Atrazine	A	50.00	57.34	0.1980708	0.2271545		14.7	20
Benzaldehyde	A	50.00	50.07	0.9775285	0.9788393		0.1	20
Benzidine	A	50.00	70.02	0.5995572	0.8396318		40.0	20 *
1,1-Biphenyl	A	50.00	50.34	1.520101	1.530542		0.7	20
Caprolactam	L	50.00	53.13	8.993659E-02	0.1051344		6.3	20
3,3'-Dichlorobenzidine	A	50.00	60.47	0.3834744	0.4637735		20.9	20 *

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D06002-BLK1 File ID: D06002B1.D

Sampled: Prepared: Analyzed: 04/07/12 13:52

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	X, U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2D06002-BLK1	File ID:	D06002B1.D
Sampled:		Prepared:		Analyzed:	04/07/12 13:52
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 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	X, U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	43.08	86.2	50 - 110	
2-Fluorophenol	100.0	27.46	27.5	20 - 110	
Nitrobenzene-d5	50.00	42.46	84.9	40 - 110	
Phenol-d6	100.0	16.66	16.7	0 - 110	
Terphenyl-d14	50.00	52.34	105	50 - 135	
2,4,6-Tribromophenol	100.0	76.71	76.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D06002-BS1 | File ID: D06002L1.D

Sampled: | Prepared: | Analyzed: 04/07/12 14:20

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D06002 | Sequence: 2D10004 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	40.12	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.27	1.25	2.50	5.00	
98-86-2	Acetophenone	38.51	1.25	2.50	5.00	
120-12-7	Anthracene	44.10	1.25	2.50	5.00	
1912-24-9	Atrazine	44.32	1.25	2.50	5.00	
100-52-7	Benzaldehyde	37.63	1.25	2.50	5.00	
92-87-5	Benzidine	15.03	12.5	25.0	50.0	X, J
56-55-3	Benzo(a)anthracene	46.43	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	46.33	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	48.83	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.02	1.25	2.50	5.00	
65-85-0	Benzoic acid	16.80	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	42.58	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	41.44	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	45.26	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	55.11	1.25	2.50	5.00	
105-60-2	Caprolactam	9.906	1.25	2.50	5.00	
86-74-8	Carbazole	41.56	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	79.74	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	35.98	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	40.35	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	36.87	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	34.22	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	39.88	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	66.63	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	43.98	1.25	2.50	5.00	
218-01-9	Chrysene	46.75	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	46.17	1.25	2.50	5.00	
132-64-9	Dibenzofuran	41.76	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	48.79	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	48.78	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	77.26	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.84	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	76.49	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	46.17	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	92.22	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	93.29	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	48.84	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.49	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	53.87	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2D06002-BS1
File ID: D06002L1.D
Sampled:
Prepared:
Analyzed: 04/07/12 14:20
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2D06002
Sequence: 2D10004
Calibration: 2069001
Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	38.82	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	55.15	1.25	2.50	5.00	X
206-44-0	Fluoranthene	44.74	1.25	2.50	5.00	
86-73-7	Fluorene	43.29	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	43.30	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	38.07	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	44.09	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	31.90	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.97	1.25	2.50	5.00	
78-59-1	Isophorone	37.09	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	39.58	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	38.78	1.25	2.50	5.00	
95-48-7	2-Methylphenol	55.00	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	49.74	1.25	2.50	5.00	
91-20-3	Naphthalene	37.61	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.30	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.28	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	44.51	5.00	10.0	20.0	
98-95-3	Nitrobenzene	37.13	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	27.80	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	84.19	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	36.42	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	40.06	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	81.86	5.00	10.0	20.0	
85-01-8	Phenanthrene	43.67	1.25	2.50	5.00	
108-95-2	Phenol	22.45	1.25	2.50	5.00	
129-00-0	Pyrene	44.55	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	83.91	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	88.56	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.45	88.9	50 - 110	
2-Fluorophenol	100.0	38.34	38.3	20 - 110	
Nitrobenzene-d5	50.00	41.79	83.6	40 - 110	
Phenol-d6	100.0	22.37	22.4	0 - 110	
Terphenyl-d14	50.00	51.72	103	50 - 135	
2,4,6-Tribromophenol	100.0	95.76	95.8	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D06002-BSD1 | File ID: D06002L2.D

Sampled: | Prepared: | Analyzed: 04/07/12 14:47

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D06002 | Sequence: 2D10004 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	42.81	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.56	1.25	2.50	5.00	
98-86-2	Acetophenone	42.16	1.25	2.50	5.00	
120-12-7	Anthracene	44.84	1.25	2.50	5.00	
1912-24-9	Atrazine	46.08	1.25	2.50	5.00	
100-52-7	Benzaldehyde	40.30	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	46.41	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.68	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	50.75	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.29	1.25	2.50	5.00	
65-85-0	Benzoic acid	21.52	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	43.11	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.29	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	45.98	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	54.81	1.25	2.50	5.00	
105-60-2	Caprolactam	10.47	1.25	2.50	5.00	
86-74-8	Carbazole	42.31	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	82.50	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	38.31	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	43.22	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	39.32	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	36.27	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	42.77	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	72.02	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	45.85	1.25	2.50	5.00	
218-01-9	Chrysene	46.81	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.89	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.08	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	50.19	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	48.91	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	83.58	1.25	2.50	5.00	
84-66-2	Diethylphthalate	47.70	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	81.49	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	47.59	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	103.4	5.00	10.0	20.0	X, E
51-28-5	2,4-Dinitrophenol	104.5	1.00	25.0	50.0	X, E
121-14-2	2,4-Dinitrotoluene	50.25	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.36	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	54.45	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2D06002-BSD1	File ID:	D06002L2.D
Sampled:		Prepared:		Analyzed:	04/07/12 14:47
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2D06002 Sequence: 2D10004 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.34	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	55.57	1.25	2.50	5.00	X
206-44-0	Fluoranthene	45.35	1.25	2.50	5.00	
86-73-7	Fluorene	44.85	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	44.52	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	40.77	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	46.46	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	34.70	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	47.97	1.25	2.50	5.00	
78-59-1	Isophorone	39.44	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	41.23	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	40.61	1.25	2.50	5.00	
95-48-7	2-Methylphenol	57.99	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	52.92	1.25	2.50	5.00	
91-20-3	Naphthalene	39.77	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.12	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	40.10	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	45.84	5.00	10.0	20.0	
98-95-3	Nitrobenzene	39.00	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.83	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	91.22	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.31	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	42.41	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	93.20	5.00	10.0	20.0	
85-01-8	Phenanthrene	44.99	1.25	2.50	5.00	
108-95-2	Phenol	23.79	1.25	2.50	5.00	
129-00-0	Pyrene	44.92	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	94.10	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	96.77	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.36	92.7	50 - 110	
2-Fluorophenol	100.0	41.51	41.5	20 - 110	
Nitrobenzene-d5	50.00	44.22	88.4	40 - 110	
Phenol-d6	100.0	23.30	23.3	0 - 110	
Terphenyl-d14	50.00	53.11	106	50 - 135	
2,4,6-Tribromophenol	100.0	102.3	102	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13004-BLK1 File ID: D13004B1.D

Sampled: Prepared: Analyzed: 04/13/12 18:40

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	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_049

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

Matrix: Laboratory ID: 2D13004-BLK1 File ID: D13004B1.D

Sampled: Prepared: Analyzed: 04/13/12 18:40

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	44.63	89.3	50 - 110	
2-Fluorophenol	100.0	33.36	33.4	20 - 110	
Nitrobenzene-d5	50.00	42.35	84.7	40 - 110	
Phenol-d6	100.0	19.99	20.0	0 - 110	
Terphenyl-d14	50.00	55.15	110	50 - 135	
2,4,6-Tribromophenol	100.0	82.45	82.4	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D13004-BS1 | File ID: D13004L1.D

Sampled: | Prepared: | Analyzed: 04/13/12 19:08

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D13004 | Sequence: 2D10708 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.55	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.90	1.25	2.50	5.00	
98-86-2	Acetophenone	42.09	1.25	2.50	5.00	
120-12-7	Anthracene	47.06	1.25	2.50	5.00	
1912-24-9	Atrazine	47.35	1.25	2.50	5.00	
100-52-7	Benzaldehyde	40.46	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	49.38	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	49.93	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	50.25	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	48.52	1.25	2.50	5.00	
65-85-0	Benzoic acid	15.34	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	47.59	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	45.28	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	48.28	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	56.81	1.25	2.50	5.00	
105-60-2	Caprolactam	10.83	1.25	2.50	5.00	
86-74-8	Carbazole	45.04	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	83.46	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	39.28	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	43.79	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	39.59	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	37.56	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	43.06	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	64.76	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	47.09	1.25	2.50	5.00	
218-01-9	Chrysene	49.60	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.75	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.53	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	51.29	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	51.12	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	77.07	1.25	2.50	5.00	
84-66-2	Diethylphthalate	48.21	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	81.84	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.18	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	80.70	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	83.08	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	51.42	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	48.12	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	55.24	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2D13004-BS1
File ID: D13004L1.D
Sampled:
Prepared:
Analyzed: 04/13/12 19:08
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2D13004
Sequence: 2D10708
Calibration: 2069001
Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	41.35	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	56.48	1.25	2.50	5.00	
206-44-0	Fluoranthene	48.04	1.25	2.50	5.00	
86-73-7	Fluorene	45.87	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	46.40	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	41.29	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	44.94	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	33.01	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	50.14	1.25	2.50	5.00	
78-59-1	Isophorone	39.72	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.54	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	42.45	1.25	2.50	5.00	
95-48-7	2-Methylphenol	56.32	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	51.37	1.25	2.50	5.00	
91-20-3	Naphthalene	41.13	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	48.42	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	41.96	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.41	5.00	10.0	20.0	
98-95-3	Nitrobenzene	39.58	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	22.48	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	82.52	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.79	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.92	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	75.49	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.14	1.25	2.50	5.00	
108-95-2	Phenol	20.97	1.25	2.50	5.00	
129-00-0	Pyrene	48.14	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	79.50	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	87.16	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.86	93.7	50 - 110	
2-Fluorophenol	100.0	33.20	33.2	20 - 110	
Nitrobenzene-d5	50.00	44.35	88.7	40 - 110	
Phenol-d6	100.0	20.26	20.3	0 - 110	
Terphenyl-d14	50.00	54.86	110	50 - 135	
2,4,6-Tribromophenol	100.0	88.04	88.0	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D13004-BSD1 | File ID: D13004L2.D

Sampled: | Prepared: | Analyzed: 04/13/12 19:36

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D13004 | Sequence: 2D10708 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.46	1.25	2.50	5.00	
208-96-8	Acenaphthylene	45.25	1.25	2.50	5.00	
98-86-2	Acetophenone	42.94	1.25	2.50	5.00	
120-12-7	Anthracene	46.82	1.25	2.50	5.00	
1912-24-9	Atrazine	47.48	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.11	1.25	2.50	5.00	
92-87-5	Benzidine	14.03	12.5	25.0	50.0	X, J
56-55-3	Benzo(a)anthracene	48.76	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.42	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	49.61	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	48.27	1.25	2.50	5.00	
65-85-0	Benzoic acid	16.14	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	45.94	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.70	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	49.00	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	58.06	1.25	2.50	5.00	
105-60-2	Caprolactam	10.66	1.25	2.50	5.00	
86-74-8	Carbazole	44.30	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	84.30	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	39.72	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	45.21	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	40.46	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	38.23	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	43.28	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	66.76	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	46.90	1.25	2.50	5.00	
218-01-9	Chrysene	48.54	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	49.05	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.65	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	50.94	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	52.04	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	79.56	1.25	2.50	5.00	
84-66-2	Diethylphthalate	49.44	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	82.98	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.06	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	85.73	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	90.73	1.00	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	52.46	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	49.27	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	54.90	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13004-BSD1 File ID: D13004L2.D

Sampled: Prepared: Analyzed: 04/13/12 19:36

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D13004 Sequence: 2D10708 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	41.52	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	57.58	1.25	2.50	5.00	
206-44-0	Fluoranthene	47.02	1.25	2.50	5.00	
86-73-7	Fluorene	46.18	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.81	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	42.92	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	46.64	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	35.62	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.77	1.25	2.50	5.00	
78-59-1	Isophorone	41.72	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	44.17	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	43.75	1.25	2.50	5.00	
95-48-7	2-Methylphenol	56.97	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	50.83	1.25	2.50	5.00	
91-20-3	Naphthalene	41.99	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	49.52	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	42.41	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	47.11	5.00	10.0	20.0	
98-95-3	Nitrobenzene	41.24	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	22.44	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	87.75	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.98	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.15	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	77.68	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.31	1.25	2.50	5.00	
108-95-2	Phenol	20.28	1.25	2.50	5.00	
129-00-0	Pyrene	48.07	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	81.67	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	89.32	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	47.22	94.4	50 - 110	
2-Fluorophenol	100.0	32.68	32.7	20 - 110	
Nitrobenzene-d5	50.00	45.17	90.3	40 - 110	
Phenol-d6	100.0	19.56	19.6	0 - 110	
Terphenyl-d14	50.00	54.04	108	50 - 135	
2,4,6-Tribromophenol	100.0	89.55	89.6	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13010-BLK1 File ID: D13010B1.D

Sampled: Prepared: Analyzed: 04/17/12 15:30

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	X, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	Q, X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13010-BLK1 File ID: D13010B1.D

Sampled: Prepared: Analyzed: 04/17/12 15:30

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	X, U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
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	Q, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	X, 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	47.80	95.6	50 - 110	
2-Fluorophenol	100.0	33.47	33.5	20 - 110	
Nitrobenzene-d5	50.00	46.91	93.8	40 - 110	
Phenol-d6	100.0	18.25	18.3	0 - 110	
Terphenyl-d14	50.00	59.03	118	50 - 135	
2,4,6-Tribromophenol	100.0	98.92	98.9	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D13010-BS1 | File ID: D13010L1.D

Sampled: | Prepared: | Analyzed: 04/17/12 15:57

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D13010 | Sequence: 2D10909 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	44.00	1.25	2.50	5.00	
208-96-8	Acenaphthylene	45.23	1.25	2.50	5.00	
98-86-2	Acetophenone	45.19	1.25	2.50	5.00	
120-12-7	Anthracene	46.93	1.25	2.50	5.00	
1912-24-9	Atrazine	48.53	1.25	2.50	5.00	
100-52-7	Benzaldehyde	43.28	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	48.19	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.52	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	49.76	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	48.52	1.25	2.50	5.00	
65-85-0	Benzoic acid	17.14	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	45.69	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	45.41	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	50.07	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	56.82	1.25	2.50	5.00	
105-60-2	Caprolactam	9.930	1.25	2.50	5.00	
86-74-8	Carbazole	44.27	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	87.65	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	37.98	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	46.48	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	41.93	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	38.89	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	43.86	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	72.97	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.03	1.25	2.50	5.00	
218-01-9	Chrysene	47.54	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	50.53	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.52	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	51.08	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	49.79	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	89.68	1.25	2.50	5.00	
84-66-2	Diethylphthalate	49.80	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	84.49	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.39	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	110.7	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	104.7	1.00	25.0	50.0	X, E
121-14-2	2,4-Dinitrotoluene	53.64	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	49.69	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	54.33	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D13010-BS1 | File ID: D13010L1.D

Sampled: | Prepared: | Analyzed: 04/17/12 15:57

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D13010 | Sequence: 2D10909 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.09	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	55.23	1.25	2.50	5.00	
206-44-0	Fluoranthene	47.35	1.25	2.50	5.00	
86-73-7	Fluorene	46.72	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	46.68	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	43.17	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	47.29	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	36.52	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	50.53	1.25	2.50	5.00	
78-59-1	Isophorone	43.18	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	45.12	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	43.84	1.25	2.50	5.00	
95-48-7	2-Methylphenol	56.35	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	50.44	1.25	2.50	5.00	
91-20-3	Naphthalene	42.47	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	46.99	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	38.78	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.65	5.00	10.0	20.0	
98-95-3	Nitrobenzene	42.98	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	26.83	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	100.7	1.25	2.50	5.00	X, E
86-30-6	N-Nitrosodiphenylamine	39.73	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	45.64	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	99.06	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.07	1.25	2.50	5.00	
108-95-2	Phenol	20.33	1.25	2.50	5.00	
129-00-0	Pyrene	46.65	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	97.68	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	101.9	1.25	2.50	5.00	E

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.63	97.3	50 - 110	
2-Fluorophenol	100.0	37.28	37.3	20 - 110	
Nitrobenzene-d5	50.00	48.41	96.8	40 - 110	
Phenol-d6	100.0	19.81	19.8	0 - 110	
Terphenyl-d14	50.00	55.35	111	50 - 135	
2,4,6-Tribromophenol	100.0	107.7	108	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_049

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

Matrix: | Laboratory ID: 2D13010-BSD1 | File ID: D13010L2.D

Sampled: | Prepared: | Analyzed: 04/17/12 16:25

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D13010 | Sequence: 2D10909 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.34	1.25	2.50	5.00	
208-96-8	Acenaphthylene	44.28	1.25	2.50	5.00	
98-86-2	Acetophenone	43.46	1.25	2.50	5.00	
120-12-7	Anthracene	45.19	1.25	2.50	5.00	
1912-24-9	Atrazine	47.20	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.16	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	47.28	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.38	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	50.50	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	47.64	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	43.58	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	45.01	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	47.61	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	55.48	1.25	2.50	5.00	
105-60-2	Caprolactam	10.21	1.25	2.50	5.00	
86-74-8	Carbazole	42.71	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	83.16	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.73	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	45.04	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	39.39	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	37.23	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	42.43	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	68.87	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	45.76	1.25	2.50	5.00	
218-01-9	Chrysene	47.42	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	49.58	1.25	2.50	5.00	
132-64-9	Dibenzofuran	44.39	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.13	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	49.91	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	87.04	1.25	2.50	5.00	
84-66-2	Diethylphthalate	48.23	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	81.81	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	48.63	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	88.97	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	36.00	1.00	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	50.64	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	48.95	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	53.46	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Matrix: Laboratory ID: 2D13010-BSD1 File ID: D13010L2.D

Sampled: Prepared: Analyzed: 04/17/12 16:25

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D13010 Sequence: 2D10909 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	40.23	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	55.19	1.25	2.50	5.00	
206-44-0	Fluoranthene	45.30	1.25	2.50	5.00	
86-73-7	Fluorene	45.48	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	45.23	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	41.49	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	45.66	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	34.55	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.43	1.25	2.50	5.00	
78-59-1	Isophorone	41.80	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	43.53	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	42.26	1.25	2.50	5.00	
95-48-7	2-Methylphenol	53.43	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	47.75	1.25	2.50	5.00	
91-20-3	Naphthalene	40.51	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	45.19	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.17	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	46.72	5.00	10.0	20.0	
98-95-3	Nitrobenzene	41.46	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	19.22	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	98.29	1.25	2.50	5.00	X
86-30-6	N-Nitrosodiphenylamine	38.31	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	43.35	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	91.02	5.00	10.0	20.0	
85-01-8	Phenanthrene	44.96	1.25	2.50	5.00	
108-95-2	Phenol	19.29	1.25	2.50	5.00	
129-00-0	Pyrene	45.93	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	94.35	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	99.37	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.92	93.8	50 - 110	
2-Fluorophenol	100.0	34.08	34.1	20 - 110	
Nitrobenzene-d5	50.00	46.08	92.2	40 - 110	
Phenol-d6	100.0	18.75	18.8	0 - 110	
Terphenyl-d14	50.00	52.93	106	50 - 135	
2,4,6-Tribromophenol	100.0	102.3	102	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0500	04/04/12 13:04	04/06/12 08:20	04/06/12 12:25	1.93	7.00	04/07/12 15:42	1.14	40.00	
GW0501	04/04/12 11:55	04/06/12 08:20	04/06/12 12:25	1.98	7.00	04/07/12 16:10	1.16	40.00	
GW0502	04/04/12 12:18	04/06/12 08:20	04/06/12 12:25	1.96	7.00	04/07/12 16:38	1.18	40.00	
GW0503	04/04/12 09:45	04/06/12 08:20	04/06/12 12:25	2.07	7.00	04/07/12 17:06	1.20	40.00	
GW0504	04/04/12 09:45	04/06/12 08:20	04/06/12 12:25	2.07	7.00	04/07/12 17:33	1.21	40.00	
GW0520	04/04/12 16:25	04/06/12 08:20	04/06/12 12:25	1.79	7.00	04/07/12 18:01	1.23	40.00	
GW0521	04/04/12 13:32	04/06/12 08:20	04/06/12 12:25	1.91	7.00	04/07/12 18:28	1.25	40.00	
GW0522	04/04/12 10:41	04/06/12 08:20	04/06/12 12:25	2.03	7.00	04/07/12 18:55	1.27	40.00	
GW0523	04/04/12 10:41	04/06/12 08:20	04/06/12 12:25	2.03	7.00	04/07/12 19:23	1.29	40.00	
GW0529	04/09/12 11:29	04/11/12 08:30	04/13/12 11:30	3.96	7.00	04/13/12 20:04	0.36	40.00	
GW0544	04/10/12 13:31	04/11/12 08:30	04/13/12 11:30	2.87	7.00	04/13/12 20:31	0.38	40.00	
GW0545	04/10/12 13:31	04/11/12 08:30	04/13/12 11:30	2.87	7.00	04/13/12 20:58	0.39	40.00	
GW0546	04/10/12 11:16	04/11/12 08:30	04/13/12 11:30	2.97	7.00	04/13/12 21:26	0.41	40.00	
GW0590	04/09/12 16:39	04/11/12 08:30	04/13/12 11:30	3.74	7.00	04/13/12 21:53	0.43	40.00	
GW0591	04/09/12 14:26	04/11/12 08:30	04/13/12 11:30	3.84	7.00	04/13/12 22:21	0.45	40.00	
GW0592	04/09/12 11:55	04/11/12 08:30	04/13/12 11:30	3.94	7.00	04/13/12 22:48	0.47	40.00	
GW0597	04/10/12 14:20	04/11/12 08:30	04/13/12 11:30	2.84	7.00	04/13/12 23:16	0.49	40.00	
GW0598	04/10/12 12:04	04/11/12 08:30	04/13/12 11:30	2.93	7.00	04/13/12 23:43	0.51	40.00	
GW0604	04/09/12 15:34	04/11/12 08:30	04/13/12 11:30	3.79	7.00	04/14/12 00:11	0.53	40.00	
GW0505	04/10/12 16:17	04/12/12 08:20	04/13/12 11:30	2.76	7.00	04/14/12 00:38	0.55	40.00	
GW0506	04/11/12 10:19	04/12/12 08:20	04/13/12 11:30	2.01	7.00	04/14/12 01:06	0.57	40.00	
GW0510	04/11/12 12:36	04/12/12 08:20	04/13/12 11:30	1.91	7.00	04/14/12 01:33	0.59	40.00	
GW0596	04/10/12 16:46	04/12/12 08:20	04/13/12 11:30	2.74	7.00	04/14/12 02:01	0.60	40.00	
GW0605	04/11/12 14:16	04/12/12 08:20	04/13/12 11:30	1.84	7.00	04/14/12 02:28	0.62	40.00	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0527	04/11/12 15:31	04/13/12 08:20	04/16/12 14:14	4.90	7.00	04/17/12 21:02	1.28	40.00	
GW0547	04/12/12 15:10	04/13/12 08:20	04/16/12 14:14	3.92	7.00	04/17/12 21:29	1.30	40.00	
GW0548	04/12/12 12:50	04/13/12 08:20	04/16/12 14:14	4.02	7.00	04/17/12 21:57	1.32	40.00	
GW0549	04/12/12 10:30	04/13/12 08:20	04/16/12 14:14	4.11	7.00	04/17/12 22:25	1.34	40.00	
GW0576	04/12/12 15:50	04/13/12 08:20	04/16/12 14:14	3.89	7.00	04/17/12 22:52	1.36	40.00	
GW0577	04/12/12 10:55	04/13/12 08:20	04/16/12 14:14	4.10	7.00	04/17/12 23:20	1.38	40.00	
GW0578	04/12/12 10:55	04/13/12 08:20	04/16/12 14:14	4.10	7.00	04/17/12 23:48	1.40	40.00	
GW0579	04/12/12 13:39	04/13/12 08:20	04/16/12 14:14	3.98	7.00	04/18/12 00:15	1.42	40.00	

Data for SW8270C (PAH) Forms

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	0403807.D
Sampled:	04/04/12 09:45	Prepared:	04/06/12 12:25	Analyzed:	04/17/12 23:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D11613 Calibration: 2090005 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0490	0.0980	0.196	U
208-96-8	Acenaphthylene		0.0490	0.0980	0.196	U
120-12-7	Anthracene		0.0490	0.0980	0.196	U
56-55-3	Benzo(a)anthracene		0.0490	0.0980	0.196	U
50-32-8	Benzo(a)pyrene		0.0490	0.0980	0.196	U
205-99-2	Benzo(b)fluoranthene		0.0490	0.0980	0.196	U
191-24-2	Benzo(g,h,i)perylene		0.0490	0.0980	0.196	U
207-08-9	Benzo(k)fluoranthene		0.0490	0.0980	0.196	U
218-01-9	Chrysene		0.0490	0.0980	0.196	U
53-70-3	Dibenz(a,h)anthracene		0.0490	0.0980	0.196	U
206-44-0	Fluoranthene		0.0490	0.0980	0.196	U
86-73-7	Fluorene		0.0490	0.0980	0.196	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0490	0.0980	0.196	U
90-12-0	1-Methylnaphthalene		0.0490	0.0980	0.196	U
91-57-6	2-Methylnaphthalene		0.0490	0.0980	0.196	U
91-20-3	Naphthalene		0.0490	0.0980	0.196	Y, U
85-01-8	Phenanthrene		0.0490	0.0980	0.196	U
129-00-0	Pyrene		0.0490	0.0980	0.196	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	32.85	67.0	34 - 167	
Terphenyl-d14	49.02	50.08	102	34 - 167	

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	0403809.D
Sampled:	04/04/12 09:45	Prepared:	04/06/12 12:25	Analyzed:	04/18/12 00:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06002 Sequence: 2D11613 Calibration: 2090005 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0490	0.0980	0.196	U
208-96-8	Acenaphthylene		0.0490	0.0980	0.196	U
120-12-7	Anthracene		0.0490	0.0980	0.196	U
56-55-3	Benzo(a)anthracene		0.0490	0.0980	0.196	U
50-32-8	Benzo(a)pyrene		0.0490	0.0980	0.196	U
205-99-2	Benzo(b)fluoranthene		0.0490	0.0980	0.196	U
191-24-2	Benzo(g,h,i)perylene		0.0490	0.0980	0.196	U
207-08-9	Benzo(k)fluoranthene		0.0490	0.0980	0.196	U
218-01-9	Chrysene		0.0490	0.0980	0.196	U
53-70-3	Dibenz(a,h)anthracene		0.0490	0.0980	0.196	U
206-44-0	Fluoranthene		0.0490	0.0980	0.196	U
86-73-7	Fluorene		0.0490	0.0980	0.196	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0490	0.0980	0.196	U
90-12-0	1-Methylnaphthalene		0.0490	0.0980	0.196	U
91-57-6	2-Methylnaphthalene		0.0490	0.0980	0.196	U
91-20-3	Naphthalene		0.0490	0.0980	0.196	Y, U
85-01-8	Phenanthrene		0.0490	0.0980	0.196	U
129-00-0	Pyrene		0.0490	0.0980	0.196	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	31.63	64.5	34 - 167	
Terphenyl-d14	49.02	53.80	110	34 - 167	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11613	Instrument:	MS-BNA4
		Calibration:	2090005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D11613-CCV1) ug/mL				Lab File ID: SEQ-CCV2.D		Analyzed: 04/17/12 21:52		
2-Fluorobiphenyl	5.000	87.4	80 - 120	8.348	8.348	0.0000	+/-0.500	
Terphenyl-d14	5.000	114	80 - 120	13.015	13.015	0.0000	+/-0.500	
LCS (2D06002-BS2) ug/L				Lab File ID: D06002L1.D		Analyzed: 04/17/12 22:21		
2-Fluorobiphenyl	50.00	71.5	34 - 167	8.348	8.348	0.0000	+/-0.500	
Terphenyl-d14	50.00	113	34 - 167	13.024	13.015	0.0090	+/-0.500	
LCS Dup (2D06002-BSD2) ug/L				Lab File ID: D06002L2.D		Analyzed: 04/17/12 22:48		
2-Fluorobiphenyl	50.00	66.8	34 - 167	8.348	8.348	0.0000	+/-0.500	
Terphenyl-d14	50.00	101	34 - 167	13.024	13.015	0.0090	+/-0.500	
Blank (2D06002-BLK2) ug/L				Lab File ID: D06002B1.D		Analyzed: 04/17/12 23:16		
2-Fluorobiphenyl	50.00	58.5	34 - 167	8.348	8.348	0.0000	+/-0.500	
Terphenyl-d14	50.00	98.2	34 - 167	13.024	13.015	0.0090	+/-0.500	
GW0503 (1204038-07) ug/L				Lab File ID: 0403807.D		Analyzed: 04/17/12 23:44		
2-Fluorobiphenyl	49.02	67.0	34 - 167	8.348	8.348	0.0000	+/-0.500	
Terphenyl-d14	49.02	102	34 - 167	13.024	13.015	0.0090	+/-0.500	
GW0504 (1204038-09) ug/L				Lab File ID: 0403809.D		Analyzed: 04/18/12 00:12		
2-Fluorobiphenyl	49.02	64.5	34 - 167	8.348	8.348	0.0000	+/-0.500	
Terphenyl-d14	49.02	110	34 - 167	13.024	13.015	0.0090	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06002	Laboratory ID:	2D06002-BS2
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	0.9800	0.7409	75.6	41 - 132
Acenaphthylene	0.9800	0.7415	75.7	43 - 140
Anthracene	0.9800	0.8402	85.7	50 - 139
Benzo(a)anthracene	0.9800	0.9520	97.1	58 - 141
Benzo(a)pyrene	0.9800	0.8406	85.8	31 - 142
Benzo(b)fluoranthene	0.9800	0.8070	82.3	42 - 156
Benzo(g,h,i)perylene	0.9800	0.9452	96.4	12 - 171
Benzo(k)fluoranthene	0.9800	0.8780	89.6	49 - 165
Chrysene	0.9800	0.9810	100	51 - 155
Dibenz(a,h)anthracene	0.9800	0.9376	95.7	28 - 153
Fluoranthene	0.9800	0.9783	99.8	47 - 158
Fluorene	0.9800	0.8107	82.7	40 - 140
Indeno(1,2,3-cd)pyrene	0.9800	0.9056	92.4	20 - 167
1-Methylnaphthalene	1.000	0.7458	74.6	35 - 131
2-Methylnaphthalene	0.9800	0.6867	70.1	36 - 121
Naphthalene	0.9800	0.6464	66.0	39 - 125
Phenanthrene	0.9800	0.9042	92.3	46 - 144
Pyrene	0.9800	1.001	102	39 - 158

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	0.9800	0.6716	68.5	9.82	30	41 - 132
Acenaphthylene	0.9800	0.7221	73.7	2.66	30	43 - 140
Anthracene	0.9800	0.7584	77.4	10.2	30	50 - 139
Benzo(a)anthracene	0.9800	0.8402	85.7	12.5	30	58 - 141
Benzo(a)pyrene	0.9800	0.7327	74.8	13.7	30	31 - 142
Benzo(b)fluoranthene	0.9800	0.8674	88.5	7.22	30	42 - 156
Benzo(g,h,i)perylene	0.9800	0.8421	85.9	11.5	30	12 - 171
Benzo(k)fluoranthene	0.9800	0.7048	71.9	21.9	30	49 - 165
Chrysene	0.9800	0.8612	87.9	13.0	30	51 - 155

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06002	Laboratory ID:	2D06002-BSD2
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.
Dibenz(a,h)anthracene	0.9800	0.8188	83.5	13.5	30	28 - 153
Fluoranthene	0.9800	0.9278	94.7	5.30	30	47 - 158
Fluorene	0.9800	0.6954	71.0	15.3	30	40 - 140
Indeno(1,2,3-cd)pyrene	0.9800	0.8660	88.4	4.46	30	20 - 167
1-Methylnaphthalene	1.000	0.6931	69.3	7.32	30	35 - 131
2-Methylnaphthalene	0.9800	0.6636	67.7	3.42	30	36 - 121
Naphthalene	0.9800	0.6177	63.0	4.55	30	39 - 125
Phenanthrene	0.9800	0.8321	84.9	8.30	30	46 - 144
Pyrene	0.9800	0.9287	94.8	7.54	30	39 - 158

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D06002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0503	1204038-07	04/06/12 12:25	1,020.00	1.00
GW0504	1204038-09	04/06/12 12:25	1,020.00	1.00
Blank	2D06002-BLK2	04/06/12 12:25	1,000.00	1.00
LCS	2D06002-BS2	04/06/12 12:25	1,000.00	1.00
LCS Dup	2D06002-BSD2	04/06/12 12:25	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	03/29/12
Instrument ID:	MS-BNA4	Injection Time:	16:31
Sequence:	2C09031	Lab Sample ID:	2C09031-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.1	PASS
68	Less than 2% of 69	1.49	PASS
69	Less than 200% of 198	41.1	PASS
70	Less than 2% of 69	0.453	PASS
127	40 - 60% of 198	46.6	PASS
197	Less than 1% of 198	0.911	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.67	PASS
275	10 - 30% of 198	23.2	PASS
365	1 - 200% of 198	2.88	PASS
441	0.001 - 100% of 443	81.8	PASS
442	40 - 200% of 198	88.3	PASS
443	17 - 23% of 442	19.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	03/30/12
Instrument ID:	MS-BNA4	Injection Time:	09:09
Sequence:	2C09031	Lab Sample ID:	2C09031-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	47.2	PASS
68	Less than 2% of 69	1.69	PASS
69	Less than 200% of 198	41.6	PASS
70	Less than 2% of 69	0.505	PASS
127	40 - 60% of 198	46.9	PASS
197	Less than 1% of 198	0.911	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.76	PASS
275	10 - 30% of 198	23.5	PASS
365	1 - 200% of 198	3	PASS
441	0.001 - 100% of 443	84.2	PASS
442	40 - 200% of 198	87.9	PASS
443	17 - 23% of 442	19.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	04/17/12
Instrument ID:	MS-BNA4	Injection Time:	21:35
Sequence:	2D11613	Lab Sample ID:	2D11613-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	46.8	PASS
68	Less than 2% of 69	1.56	PASS
69	Less than 200% of 198	38.1	PASS
70	Less than 2% of 69	0.472	PASS
127	40 - 60% of 198	45.1	PASS
197	Less than 1% of 198	0.907	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.06	PASS
275	10 - 30% of 198	25.5	PASS
365	1 - 200% of 198	2.71	PASS
441	0.001 - 100% of 443	80.5	PASS
442	40 - 200% of 198	75.2	PASS
443	17 - 23% of 442	20	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2C09031	Instrument:	MS-BNA4
Calibration:	2090005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2C09031-TUN1	SEQ-TUN1.D	03/29/12 16:31
Cal Standard	2C09031-CAL1	SEQ-CAL1.D	03/29/12 16:47
Cal Standard	2C09031-CAL2	SEQ-CAL2.D	03/29/12 17:15
Cal Standard	2C09031-CAL3	SEQ-CAL3.D	03/29/12 17:43
Cal Standard	2C09031-CAL4	SEQ-CAL4.D	03/29/12 18:11
Cal Standard	2C09031-CAL5	SEQ-CAL5.D	03/29/12 18:39
Cal Standard	2C09031-CAL6	SEQ-CAL6.D	03/29/12 19:06
Cal Standard	2C09031-CAL7	SEQ-CAL7.D	03/29/12 19:34
MS Tune	2C09031-TUN2	SEQ-TUN1.D	03/30/12 09:09
Initial Cal Check	2C09031-ICV1	SEQ-ICV1.D	03/30/12 09:26

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11613	Instrument:	MS-BNA4
Calibration:	2090005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D11613-TUN1	SEQ-TUN2.D	04/17/12 21:35
Calibration Check	2D11613-CCV1	SEQ-CCV2.D	04/17/12 21:52
LCS	2D06002-BS2	D06002L1.D	04/17/12 22:21
LCS Dup	2D06002-BSD2	D06002L2.D	04/17/12 22:48
Blank	2D06002-BLK2	D06002B1.D	04/17/12 23:16
GW0503	1204038-07	0403807.D	04/17/12 23:44
GW0504	1204038-09	0403809.D	04/18/12 00:12

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11613	Instrument:	MS-BNA4
		Calibration:	2090005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D11613-CCV1)			Lab File ID: SEQ-CCV2.D			Analyzed: 04/17/12 21:52			
Phenanthrene-d10	465047	10.961	317208	11.287	147	50 - 200	-0.3260	+/-0.50	
Perylene-d12	280475	17.356	170406	17.19	165	50 - 200	0.1660	+/-0.50	
LCS (2D06002-BS2)			Lab File ID: D06002L1.D			Analyzed: 04/17/12 22:21			
Phenanthrene-d10	454254	10.96	465047	10.961	98	50 - 200	-0.0010	+/-0.50	
Perylene-d12	253678	17.356	280475	17.356	90	50 - 200	0.0000	+/-0.50	
LCS Dup (2D06002-BSD2)			Lab File ID: D06002L2.D			Analyzed: 04/17/12 22:48			
Phenanthrene-d10	447610	10.961	465047	10.961	96	50 - 200	0.0000	+/-0.50	
Perylene-d12	222863	17.357	280475	17.356	79	50 - 200	0.0010	+/-0.50	
Blank (2D06002-BLK2)			Lab File ID: D06002B1.D			Analyzed: 04/17/12 23:16			
Phenanthrene-d10	483268	10.96	465047	10.961	104	50 - 200	-0.0010	+/-0.50	
Perylene-d12	257926	17.356	280475	17.356	92	50 - 200	0.0000	+/-0.50	
GW0503 (1204038-07)			Lab File ID: 0403807.D			Analyzed: 04/17/12 23:44			
Phenanthrene-d10	453910	10.961	465047	10.961	98	50 - 200	0.0000	+/-0.50	
Perylene-d12	210289	17.356	280475	17.356	75	50 - 200	0.0000	+/-0.50	
GW0504 (1204038-09)			Lab File ID: 0403809.D			Analyzed: 04/18/12 00:12			
Phenanthrene-d10	429373	10.961	465047	10.961	92	50 - 200	0.0000	+/-0.50	
Perylene-d12	206760	17.357	280475	17.356	74	50 - 200	0.0010	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2090005	Instrument:	MS-BNA4
Matrix:	Water	Calibration Dates:	3/29/12 16:47 3/29/12 19:34

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	0.1	0.9427963	0.5	1.03109	1	0.9989911	5	0.9126605	20	0.8242638	40	0.7861419
Acenaphthylene	0.1	1.313948	0.5	1.416149	1	1.415188	5	1.330418	20	1.255241	40	1.186555
Anthracene	0.1	1.144376	0.5	1.071753	1	1.077287	5	1.049013	20	1.132062	40	1.033736
Benzo(a)anthracene	0.1	0.7410964	0.5	0.6862911	1	0.6930755	5	0.7030062	20	0.835521	40	0.651153
Benzo(a)pyrene	0.1	1.028292	0.5	0.9704226	1	1.017098	5	0.9996878	20	1.090293	40	1.042145
Benzo(b)fluoranthene	0.1	1.243005	0.5	1.171596	1	1.241725	5	1.175001	20	1.303571	40	1.316083
Benzo(g,h,i)perylene	0.1	0.6868566	0.5	0.854472	1	0.9321462	5	0.8423647	20	0.8894874	40	0.7660054
Benzo(k)fluoranthene	0.1	1.417282	0.5	1.358733	1	1.500104	5	1.395223	20	1.360491	40	1.164189
Chrysene	0.1	0.6985824	0.5	0.7454734	1	0.7347497	5	0.7298454	20	0.7682967	40	0.5968407
Dibenz(a,h)anthracene	0.1	0.746088	0.5	0.6203297	1	0.6931931	5	0.7165992	20	0.8286638	40	0.7355467
Fluoranthene	0.1	1.089059	0.5	1.0304	1	1.073967	5	1.04212	20	1.146353	40	1.016526
Fluorene	0.1	0.8913447	0.5	0.9358175	1	0.9296535	5	0.8868225	20	0.8475844	40	0.7850039
2-Fluorobiphenyl	0.1	1.116959	0.5	1.21505	1	1.176507	5	1.015384	20	0.9310695	40	0.8731027
Indeno(1,2,3-cd)pyrene	0.1	0.6857175	0.5	0.8445637	1	0.944495	5	0.9167799	20	1.01755	40	0.9174811
1-Methylnaphthalene	0.1	0.89992	0.5	1.025425	1	0.9866405	5	0.9080982	20	0.8197513	40	0.7529977
2-Methylnaphthalene	0.1	0.959343	0.5	1.042507	1	1.014404	5	0.9190991	20	0.8222071	40	0.7899256
Naphthalene	0.1	1.754307	0.5	1.761581	1	1.631817	5	1.474737	20	1.295576	40	1.257565
Phenanthrene	0.1	1.21962	0.5	1.186753	1	1.156485	5	1.107957	20	1.124355	40	1.032085
Pyrene	0.1	1.055362	0.5	1.080179	1	1.062933	5	1.066974	20	1.15744	40	1.010537
Terphenyl-d14	0.1	0.5873454	0.5	0.5965398	1	0.6183569	5	0.6053517	20	0.6782263	40	0.5976692
2,4,6-Tribromophenol	0.2		1		2		10		40		80	
Naphthalene-d8	4		4		4		4		4		4	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2090005	Instrument:	MS-BNA4
Matrix:	Water	Calibration Dates:	3/29/12 16:47 3/29/12 19:34

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	60	0.8042312										
Acenaphthylene	60	1.181108										
Anthracene	60	1.09343										
Benzo(a)anthracene	60	0.7391788										
Benzo(a)pyrene	60	1.072214										
Benzo(b)fluoranthene	60	1.254691										
Benzo(g,h,i)perylene	60	0.7635013										
Benzo(k)fluoranthene	60	1.30924										
Chrysene	60	0.6736053										
Dibenz(a,h)anthracene	60	0.7393764										
Fluoranthene	60	1.017028										
Fluorene	60	0.8153585										
2-Fluorobiphenyl	60	0.8767418										
Indeno(1,2,3-cd)pyrene	60	0.9149425										
1-Methylnaphthalene	60	0.7567918										
2-Methylnaphthalene	60	0.8268819										
Naphthalene	60	~~1.264356~~										
Phenanthrene	60	1.083883										
Pyrene	60	1.009347										
Terphenyl-d14	60	0.5905459										
2,4,6-Tribromophenol	120											
Naphthalene-d8	4											

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2090005		Instrument:	MS-BNA4	
Matrix:	Water		Calibration Dates:	3/29/12 16:47	3/29/12 19:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	0.900025	10.81491	9.522286	3.121597E-02			CCC (30)	
Acenaphthylene	1.299801	7.491228	9.290571	4.459042E-02			15	
Anthracene	1.085951	3.752423	11.36657	0.0697384			15	
Benzo(a)anthracene	0.7213317	8.208542	14.74629	2.575235E-02			15	
Benzo(a)pyrene	1.03145	3.994983	17.09314	4.101091E-02			CCC (30)	
Benzo(b)fluoranthene	1.243667	4.508959	16.54457	4.674852E-02			15	
Benzo(g,h,i)perylene	0.8192619	10.32417	19.40957	0.054742			15	
Benzo(k)fluoranthene	1.357895	7.667419	16.58571	6.374105E-02			15	
Chrysene	0.7067705	8.138212	14.81271	2.585594E-02			15	
Dibenz(a,h)anthracene	0.7256853	8.632026	18.97243	3.389532E-02			15	
Fluoranthene	1.05935	4.465319	12.77829	4.059149E-02			CCC (30)	
Fluorene	0.8702264	6.5243	10.13943	7.289645E-02			15	
2-Fluorobiphenyl	1.029259	13.81841	8.649572	0.0509261			15	
Indeno(1,2,3-cd)pyrene	0.8916471	11.68302	18.95229	4.086237E-02			15	
1-Methylnaphthalene	0.8785178	12.17405	8.296	5.580639E-02			15	
2-Methylnaphthalene	0.910624	10.98214	8.163	2.469473E-02			15	
Naphthalene	1.529264	14.52021	7.290833	5.403793E-02			15	
Phenanthrene	1.130163	5.617765	11.31214	6.477658E-02			15	
Pyrene	1.063253	4.689799	13.05443	0.0218318			15	
Terphenyl-d14	0.6105765	5.165702	13.25929	0.0144395			15	
2,4,6-Tribromophenol							15	
Naphthalene-d8							15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA4	Calibration:	2090005
Lab File ID:	SEQ-ICV1.D	Calibration Date:	03/30/12 15:08
Sequence:	2C09031	Injection Date:	03/30/12
Lab Sample ID:	2C09031-ICV1	Injection Time:	09:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	5.000	5.221	0.900025	0.9397912		4.4	20
Acenaphthylene	A	5.000	5.265	1.299801	1.368583		5.3	20
Anthracene	A	5.000	5.118	1.085951	1.111555		2.4	20
Benzo(a)anthracene	A	5.000	5.582	0.7213317	0.8052444		11.6	20
Benzo(a)pyrene	A	5.000	5.302	1.03145	1.093734		6.0	20
Benzo(b)fluoranthene	A	5.000	5.123	1.243667	1.274319		2.5	20
Benzo(g,h,i)perylene	A	5.000	5.719	0.8192619	0.9370725		14.4	20
Benzo(k)fluoranthene	A	5.000	5.561	1.357895	1.510332		11.2	20
Chrysene	A	5.000	5.721	0.7067705	0.8086637		14.4	20
Dibenz(a,h)anthracene	A	5.000	5.580	0.7256853	0.8097922		11.6	20
Fluoranthene	A	5.000	5.259	1.05935	1.114161		5.2	20
Fluorene	A	5.000	5.173	0.8702264	0.9003611		3.5	20
Indeno(1,2,3-cd)pyrene	A	5.000	5.854	0.8916471	1.043906		17.1	20
1-Methylnaphthalene	A	5.000	5.204	0.8785178	0.914397		4.1	20
2-Methylnaphthalene	A	5.000	5.200	0.910624	0.9470376		4.0	20
Naphthalene	A	5.000	5.521	1.529264	1.688764		10.4	20
Phenanthrene	A	5.000	5.261	1.130163	1.189219		5.2	20
Pyrene	A	5.000	5.484	1.063253	1.166094		9.7	20
2-Fluorobiphenyl	A	5.000	4.902	1.029259	1.009118		-2.0	20
Terphenyl-d14	A	5.000	5.895	0.6105765	0.7198895		17.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA4	Calibration:	2090005
Lab File ID:	SEQ-CCV2.D	Calibration Date:	03/30/12 15:08
Sequence:	2D11613	Injection Date:	04/17/12
Lab Sample ID:	2D11613-CCV1	Injection Time:	21:52

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	5.000	4.326	0.900025	0.7787617		-13.5	20
Acenaphthylene	A	5.000	4.531	1.299801	1.177871		-9.4	20
Anthracene	A	5.000	4.640	1.085951	1.00789		-7.2	20
Benzo(a)anthracene	A	5.000	5.691	0.7213317	0.8210284		13.8	20
Benzo(a)pyrene	A	5.000	4.757	1.03145	0.9813495		-4.9	20
Benzo(b)fluoranthene	A	5.000	5.136	1.243667	1.277527		2.7	20
Benzo(g,h,i)perylene	A	5.000	5.043	0.8192619	0.826284		0.9	20
Benzo(k)fluoranthene	A	5.000	4.540	1.357895	1.233062		-9.2	20
Chrysene	A	5.000	5.568	0.7067705	0.7870155		11.4	20
Dibenz(a,h)anthracene	A	5.000	4.974	0.7256853	0.7219524		-0.5	20
Fluoranthene	A	5.000	5.394	1.05935	1.142851		7.9	20
Fluorene	A	5.000	4.505	0.8702264	0.7840997		-9.9	20
Indeno(1,2,3-cd)pyrene	A	5.000	5.135	0.8916471	0.9157265		2.7	20
1-Methylnaphthalene	A	5.000	4.151	0.8785178	0.7292854		-17.0	20
2-Methylnaphthalene	A	5.000	4.161	0.910624	0.7577935		-16.8	20
Naphthalene	A	5.000	3.785	1.529264	1.157734		-24.3	20 *
Phenanthrene	A	5.000	4.672	1.130163	1.056017		-6.6	20
Pyrene	A	5.000	5.517	1.063253	1.173215		10.3	20
2-Fluorobiphenyl	A	5.000	4.368	1.029259	0.8992674		-12.6	20
Terphenyl-d14	A	5.000	5.711	0.6105765	0.6974572		14.2	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_049

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

Matrix: Laboratory ID: 2D06002-BLK2 File ID: D06002B1.D

Sampled: Prepared: Analyzed: 04/17/12 23:16

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D06002 Sequence: 2D11613 Calibration: 2090005 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		0.0500	0.100	0.200	U
208-96-8	Acenaphthylene		0.0500	0.100	0.200	U
120-12-7	Anthracene		0.0500	0.100	0.200	U
56-55-3	Benzo(a)anthracene		0.0500	0.100	0.200	U
50-32-8	Benzo(a)pyrene		0.0500	0.100	0.200	U
205-99-2	Benzo(b)fluoranthene		0.0500	0.100	0.200	U
191-24-2	Benzo(g,h,i)perylene		0.0500	0.100	0.200	U
207-08-9	Benzo(k)fluoranthene		0.0500	0.100	0.200	U
218-01-9	Chrysene		0.0500	0.100	0.200	U
53-70-3	Dibenz(a,h)anthracene		0.0500	0.100	0.200	U
206-44-0	Fluoranthene		0.0500	0.100	0.200	U
86-73-7	Fluorene		0.0500	0.100	0.200	U
193-39-5	Indeno(1,2,3-cd)pyrene		0.0500	0.100	0.200	U
90-12-0	1-Methylnaphthalene		0.0500	0.100	0.200	U
91-57-6	2-Methylnaphthalene		0.0500	0.100	0.200	U
91-20-3	Naphthalene		0.0500	0.100	0.200	Y, U
85-01-8	Phenanthrene		0.0500	0.100	0.200	U
129-00-0	Pyrene		0.0500	0.100	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	29.24	58.5	34 - 167	
Terphenyl-d14	50.00	49.12	98.2	34 - 167	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D06002-BS2	File ID:	D06002L1.D
Sampled:		Prepared:		Analyzed:	04/17/12 22:21
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D06002	Sequence:	2D11613	Calibration:	2090005	Instrument:	MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.7409	0.0500	0.100	0.200	
208-96-8	Acenaphthylene	0.7415	0.0500	0.100	0.200	
120-12-7	Anthracene	0.8402	0.0500	0.100	0.200	
56-55-3	Benzo(a)anthracene	0.9520	0.0500	0.100	0.200	
50-32-8	Benzo(a)pyrene	0.8406	0.0500	0.100	0.200	
205-99-2	Benzo(b)fluoranthene	0.8070	0.0500	0.100	0.200	
191-24-2	Benzo(g,h,i)perylene	0.9452	0.0500	0.100	0.200	
207-08-9	Benzo(k)fluoranthene	0.8780	0.0500	0.100	0.200	
218-01-9	Chrysene	0.9810	0.0500	0.100	0.200	
53-70-3	Dibenz(a,h)anthracene	0.9376	0.0500	0.100	0.200	
206-44-0	Fluoranthene	0.9783	0.0500	0.100	0.200	
86-73-7	Fluorene	0.8107	0.0500	0.100	0.200	
193-39-5	Indeno(1,2,3-cd)pyrene	0.9056	0.0500	0.100	0.200	
90-12-0	1-Methylnaphthalene	0.7458	0.0500	0.100	0.200	
91-57-6	2-Methylnaphthalene	0.6867	0.0500	0.100	0.200	
91-20-3	Naphthalene	0.6464	0.0500	0.100	0.200	Y
85-01-8	Phenanthrene	0.9042	0.0500	0.100	0.200	
129-00-0	Pyrene	1.001	0.0500	0.100	0.200	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.76	71.5	34 - 167	
Terphenyl-d14	50.00	56.25	113	34 - 167	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D06002-BSD2	File ID:	D06002L2.D
Sampled:		Prepared:		Analyzed:	04/17/12 22:48
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2D06002 Sequence: 2D11613 Calibration: 2090005 Instrument: MS-BNA4

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	0.6716	0.0500	0.100	0.200	
208-96-8	Acenaphthylene	0.7221	0.0500	0.100	0.200	
120-12-7	Anthracene	0.7584	0.0500	0.100	0.200	
56-55-3	Benzo(a)anthracene	0.8402	0.0500	0.100	0.200	
50-32-8	Benzo(a)pyrene	0.7327	0.0500	0.100	0.200	
205-99-2	Benzo(b)fluoranthene	0.8674	0.0500	0.100	0.200	
191-24-2	Benzo(g,h,i)perylene	0.8421	0.0500	0.100	0.200	
207-08-9	Benzo(k)fluoranthene	0.7048	0.0500	0.100	0.200	
218-01-9	Chrysene	0.8612	0.0500	0.100	0.200	
53-70-3	Dibenz(a,h)anthracene	0.8188	0.0500	0.100	0.200	
206-44-0	Fluoranthene	0.9278	0.0500	0.100	0.200	
86-73-7	Fluorene	0.6954	0.0500	0.100	0.200	
193-39-5	Indeno(1,2,3-cd)pyrene	0.8660	0.0500	0.100	0.200	
90-12-0	1-Methylnaphthalene	0.6931	0.0500	0.100	0.200	
91-57-6	2-Methylnaphthalene	0.6636	0.0500	0.100	0.200	
91-20-3	Naphthalene	0.6177	0.0500	0.100	0.200	Y
85-01-8	Phenanthrene	0.8321	0.0500	0.100	0.200	
129-00-0	Pyrene	0.9287	0.0500	0.100	0.200	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	33.42	66.8	34 - 167	
Terphenyl-d14	50.00	50.75	101	34 - 167	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0503	04/04/12 09:45	04/06/12 08:20	04/06/12 12:25	2.07	7.00	04/17/12 23:44	11.47	40.00	
GW0504	04/04/12 09:45	04/06/12 08:20	04/06/12 12:25	2.07	7.00	04/18/12 00:12	11.49	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10208	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10208-CAL1	003F0301.D	04/09/12 14:48
Cal Standard	2D10208-CAL2	004F0401.D	04/09/12 15:22
Cal Standard	2D10208-CAL3	005F0501.D	04/09/12 15:55
Cal Standard	2D10208-CAL4	006F0601.D	04/09/12 16:29
Cal Standard	2D10208-CAL5	007F0701.D	04/09/12 17:02
Cal Standard	2D10208-CAL6	008F0801.D	04/09/12 17:35
Initial Cal Check	2D10208-ICV1	009F0901.D	04/09/12 18:09

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10209	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10209-CCV1	010F1001.D	04/09/12 18:42
Blank	2D06009-BLK1	011F1101.D	04/09/12 19:15
LCS	2D06009-BS1	012F1201.D	04/09/12 19:48
LCS Dup	2D06009-BSD1	013F1301.D	04/09/12 20:22
GW0500	1204038-01	014F1401.D	04/09/12 20:55
GW0501	1204038-03	015F1501.D	04/09/12 21:28
GW0502	1204038-05	016F1601.D	04/09/12 22:01
GW0503	1204038-07	017F1701.D	04/09/12 22:34
GW0504	1204038-09	018F1801.D	04/09/12 23:07
GW0520	1204038-11	019F1901.D	04/09/12 23:40
GW0521	1204038-13	020F2001.D	04/10/12 00:13
GW0522	1204038-15	021F2101.D	04/10/12 00:46
GW0523	1204038-17	022F2201.D	04/10/12 01:19
Calibration Check	2D10209-CCV2	029F2901.D	04/10/12 05:11

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10702	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10702-CCV1	003F0301.D	04/12/12 18:20
Blank	2D12004-BLK1	004F0401.D	04/12/12 18:54
LCS	2D12004-BS1	005F0501.D	04/12/12 19:27
LCS Dup	2D12004-BSD1	006F0601.D	04/12/12 20:00
GW0529	1204054-01	007F0701.D	04/12/12 20:34
GW0544	1204054-03	008F0801.D	04/12/12 21:07
GW0545	1204054-05	009F0901.D	04/12/12 21:40
GW0546	1204054-07	010F1001.D	04/12/12 22:13
GW0590	1204054-09	011F1101.D	04/12/12 22:46
GW0591	1204054-11	012F1201.D	04/12/12 23:19
GW0592	1204054-13	013F1301.D	04/12/12 23:52
GW0597	1204054-15	014F1401.D	04/13/12 00:25
GW0598	1204054-17	015F1501.D	04/13/12 00:58
GW0604	1204054-19	016F1601.D	04/13/12 01:31
Calibration Check	2D10702-CCV2	017F1701.D	04/13/12 02:05
GW0505	1204063-01	018F1801.D	04/13/12 02:38
GW0506	1204063-03	019F1901.D	04/13/12 03:11
GW0510	1204063-05	020F2001.D	04/13/12 03:44
GW0596	1204063-07	021F2101.D	04/13/12 04:17
GW0605	1204063-09	022F2201.D	04/13/12 04:50
Calibration Check	2D10702-CCV3	023F2301.D	04/13/12 05:23

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10804	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10804-CCV1	003F0301.D	04/16/12 17:09
Blank	2D16013-BLK1	004F0401.D	04/16/12 17:42
LCS	2D16013-BS1	005F0501.D	04/16/12 18:15
LCS Dup	2D16013-BSD1	006F0601.D	04/16/12 18:49
GW0527	1204074-01	007F0701.D	04/16/12 19:22
GW0547	1204074-03	008F0801.D	04/16/12 19:55
GW0548	1204074-05	009F0901.D	04/16/12 20:29
GW0549	1204074-07	010F1001.D	04/16/12 21:02
GW0576	1204074-09	011F1101.D	04/16/12 21:35
GW0577	1204074-11	012F1201.D	04/16/12 22:08
GW0578	1204074-13	013F1301.D	04/16/12 22:41
GW0579	1204074-15	014F1401.D	04/16/12 23:15
Calibration Check	2D10804-CCV2	017F1701.D	04/17/12 00:54

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01	File ID:	014F1401.D
Sampled:	04/04/12 13:04	Prepared:	04/09/12 11:15	Analyzed:	04/09/12 20:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 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	0.01783	90.9	30 - 140	

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03	File ID:	015F1501.D
Sampled:	04/04/12 11:55	Prepared:	04/09/12 11:15	Analyzed:	04/09/12 21:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01711	89.0	30 - 140	

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05	File ID:	016F1601.D
Sampled:	04/04/12 12:18	Prepared:	04/09/12 11:15	Analyzed:	04/09/12 22:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 Instrument: GL-GCFID2

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

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01759	87.9	30 - 140	

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	017F1701.D
Sampled:	04/04/12 09:45	Prepared:	04/09/12 11:15	Analyzed:	04/09/12 22:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 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	0.01825	96.7	30 - 140	

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	018F1801.D
Sampled:	04/04/12 09:45	Prepared:	04/09/12 11:15	Analyzed:	04/09/12 23:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 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	0.01887	100	30 - 140	

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11	File ID:	019F1901.D
Sampled:	04/04/12 16:25	Prepared:	04/09/12 11:15	Analyzed:	04/09/12 23:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 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	0.01831	95.2	30 - 140	

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13	File ID:	020F2001.D
Sampled:	04/04/12 13:32	Prepared:	04/09/12 11:15	Analyzed:	04/10/12 00:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.910	0.0943	0.0943	0.0943	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01954	104	30 - 140	

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15	File ID:	021F2101.D
Sampled:	04/04/12 10:41	Prepared:	04/09/12 11:15	Analyzed:	04/10/12 00:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 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	0.01683	89.2	30 - 140	

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17	File ID:	022F2201.D
Sampled:	04/04/12 10:41	Prepared:	04/09/12 11:15	Analyzed:	04/10/12 01:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 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	0.02007	106	30 - 140	

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01	File ID:	007F0701.D
Sampled:	04/09/12 11:29	Prepared:	04/12/12 10:39	Analyzed:	04/12/12 20:34
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01710	87.2	30 - 140	

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03	File ID:	008F0801.D
Sampled:	04/10/12 13:31	Prepared:	04/12/12 10:39	Analyzed:	04/12/12 21:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.167	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01724	86.2	30 - 140	

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05	File ID:	009F0901.D
Sampled:	04/10/12 13:31	Prepared:	04/12/12 10:39	Analyzed:	04/12/12 21:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.198	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01807	90.3	30 - 140	

ANALYSIS DATA SHEET

GW0546

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07	File ID:	010F1001.D
Sampled:	04/10/12 11:16	Prepared:	04/12/12 10:39	Analyzed:	04/12/12 22:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0990	0.0990	0.0990	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01710	86.4	30 - 140	

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09	File ID:	011F1101.D
Sampled:	04/09/12 16:39	Prepared:	04/12/12 10:39	Analyzed:	04/12/12 22:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	4.91	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01893	94.7	30 - 140	

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11	File ID:	012F1201.D
Sampled:	04/09/12 14:26	Prepared:	04/12/12 10:39	Analyzed:	04/12/12 23:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	4.70	0.111	0.111	0.111	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01717	77.3	30 - 140	

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13	File ID:	013F1301.D
Sampled:	04/09/12 11:55	Prepared:	04/12/12 10:39	Analyzed:	04/12/12 23:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01558	79.5	30 - 140	

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15	File ID:	014F1401.D
Sampled:	04/10/12 14:20	Prepared:	04/12/12 10:39	Analyzed:	04/13/12 00:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01042	53.2	30 - 140	

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17	File ID:	015F1501.D
Sampled:	04/10/12 12:04	Prepared:	04/12/12 10:39	Analyzed:	04/13/12 00:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01215	60.8	30 - 140	

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19	File ID:	016F1601.D
Sampled:	04/09/12 15:34	Prepared:	04/12/12 10:39	Analyzed:	04/13/12 01:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01611	82.1	30 - 140	

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01	File ID:	018F1801.D
Sampled:	04/10/12 16:17	Prepared:	04/12/12 12:18	Analyzed:	04/13/12 02:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01857	92.9	30 - 140	

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03	File ID:	019F1901.D
Sampled:	04/11/12 10:19	Prepared:	04/12/12 12:18	Analyzed:	04/13/12 03:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01870	93.5	30 - 140	

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05	File ID:	020F2001.D
Sampled:	04/11/12 12:36	Prepared:	04/12/12 12:18	Analyzed:	04/13/12 03:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01724	86.2	30 - 140	

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07	File ID:	021F2101.D
Sampled:	04/10/12 16:46	Prepared:	04/12/12 12:18	Analyzed:	04/13/12 04:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0990	0.0990	0.0990	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01770	89.4	30 - 140	

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09	File ID:	022F2201.D
Sampled:	04/11/12 14:16	Prepared:	04/12/12 12:18	Analyzed:	04/13/12 04:50
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D12004 Sequence: 2D10702 Calibration: 2102003 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	0.01667	88.3	30 - 140	

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01	File ID:	007F0701.D
Sampled:	04/11/12 15:31	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 19:22
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 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	0.01586	84.1	30 - 140	

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03	File ID:	008F0801.D
Sampled:	04/12/12 15:10	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 19:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 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	0.01516	80.3	30 - 140	

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05	File ID:	009F0901.D
Sampled:	04/12/12 12:50	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 20:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 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	0.01536	79.9	30 - 140	

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07	File ID:	010F1001.D
Sampled:	04/12/12 10:30	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 21:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 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	0.01636	86.7	30 - 140	

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09	File ID:	011F1101.D
Sampled:	04/12/12 15:50	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 21:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	1.00	0.0962	0.0962	0.0962	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01715	89.2	30 - 140	

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11	File ID:	012F1201.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 22:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 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	0.01671	88.5	30 - 140	

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13	File ID:	013F1301.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 22:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 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	0.01457	77.2	30 - 140	

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15	File ID:	014F1401.D
Sampled:	04/12/12 13:39	Prepared:	04/16/12 11:45	Analyzed:	04/16/12 23:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D16013 Sequence: 2D10804 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.222	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01750	87.5	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D06009	Laboratory ID:	2D06009-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	0.9455	94.6	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	0.9705	97.0	2.61	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D12004	Laboratory ID:	2D12004-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	0.7560	75.6	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	0.8580	85.8	12.6	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16013	Laboratory ID:	2D16013-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	0.8862	88.6	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	0.8909	89.1	0.519	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D06009 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/09/12 11:15	1,020.00	1.00
GW0501	1204038-03	04/09/12 11:15	1,040.00	1.00
GW0502	1204038-05	04/09/12 11:15	1,000.00	1.00
GW0503	1204038-07	04/09/12 11:15	1,060.00	1.00
GW0504	1204038-09	04/09/12 11:15	1,060.00	1.00
GW0520	1204038-11	04/09/12 11:15	1,040.00	1.00
GW0521	1204038-13	04/09/12 11:15	1,060.00	1.00
GW0522	1204038-15	04/09/12 11:15	1,060.00	1.00
GW0523	1204038-17	04/09/12 11:15	1,060.00	1.00
Blank	2D06009-BLK1	04/09/12 11:15	1,000.00	1.00
LCS	2D06009-BS1	04/09/12 11:15	1,000.00	1.00
LCS Dup	2D06009-BSD1	04/09/12 11:15	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D12004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/12/12 10:39	1,020.00	1.00
GW0544	1204054-03	04/12/12 10:39	1,000.00	1.00
GW0545	1204054-05	04/12/12 10:39	1,000.00	1.00
GW0546	1204054-07	04/12/12 10:39	1,010.00	1.00
GW0590	1204054-09	04/12/12 10:39	1,000.00	1.00
GW0591	1204054-11	04/12/12 10:39	900.00	1.00
GW0592	1204054-13	04/12/12 10:39	1,020.00	1.00
GW0597	1204054-15	04/12/12 10:39	1,020.00	1.00
GW0598	1204054-17	04/12/12 10:39	1,000.00	1.00
GW0604	1204054-19	04/12/12 10:39	1,020.00	1.00
GW0505	1204063-01	04/12/12 12:18	1,000.00	1.00
GW0506	1204063-03	04/12/12 12:18	1,000.00	1.00
GW0510	1204063-05	04/12/12 12:18	1,000.00	1.00
GW0596	1204063-07	04/12/12 12:18	1,010.00	1.00
GW0605	1204063-09	04/12/12 12:18	1,060.00	1.00
Blank	2D12004-BLK1	04/12/12 10:39	1,000.00	1.00
LCS	2D12004-BS1	04/12/12 10:39	1,000.00	1.00
LCS Dup	2D12004-BSD1	04/12/12 10:39	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D16013 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0527	1204074-01	04/16/12 11:45	1,060.00	1.00
GW0547	1204074-03	04/16/12 11:45	1,060.00	1.00
GW0548	1204074-05	04/16/12 11:45	1,040.00	1.00
GW0549	1204074-07	04/16/12 11:45	1,060.00	1.00
GW0576	1204074-09	04/16/12 11:45	1,040.00	1.00
GW0577	1204074-11	04/16/12 11:45	1,060.00	1.00
GW0578	1204074-13	04/16/12 11:45	1,060.00	1.00
GW0579	1204074-15	04/16/12 11:45	1,000.00	1.00
Blank	2D16013-BLK1	04/16/12 11:45	1,000.00	1.00
LCS	2D16013-BS1	04/16/12 11:45	1,000.00	1.00
LCS Dup	2D16013-BSD1	04/16/12 11:45	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10208	Instrument:	GL-GCFID2
Calibration:	2102003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12C0716	DRO ICAL1@5000ppm	2D10208-CAL1	003F0301.D	04/09/12 14:48
12C0715	DRO ICAL2@2500ppm	2D10208-CAL2	004F0401.D	04/09/12 15:22
12C0714	DRO ICAL3@1000ppm	2D10208-CAL3	005F0501.D	04/09/12 15:55
12C0713	DRO ICAL4@500ppm	2D10208-CAL4	006F0601.D	04/09/12 16:29
12C0712	DRO ICAL5@250ppm	2D10208-CAL5	007F0701.D	04/09/12 17:02
12C0710	DRO ICAL6@100ppm	2D10208-CAL6	008F0801.D	04/09/12 17:35

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2102003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/9/12_14:48	4/9/12_17:35

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)	5000	1348.094	2500	1086.088	1000	1405.672	500	1051.374	250	938.532	100	814.42
o-Terphenyl	250	1395.896	125	1395.864	50	1861	25	1461.76	12.5	1416.8	5	1426.8

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2102003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	4/9/12 14:48	4/9/12 17:35

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	1107.363	20.78366	6.263	1.742195E-02		0.9946033	0.99	
o-Terphenyl	1493.02	12.18393	11.32233	0.13649			20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	009F0901.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10208	Injection Date:	04/09/12
Lab Sample ID:	2D10208-ICV1	Injection Time:	18:09

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	879.0	1107.363	973.839		-12.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	010F1001.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10209	Injection Date:	04/09/12
Lab Sample ID:	2D10209-CCV1	Injection Time:	18:42

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1002	1107.363	1112.552		0.2	20
o-Terphenyl	A	50.00	48.43	1493.02	1446.1		-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 DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	029F2901.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10209	Injection Date:	04/10/12
Lab Sample ID:	2D10209-CCV2	Injection Time:	05:11

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	986.2	1107.363	1094.691		-1.4	20
o-Terphenyl	A	50.00	49.11	1493.02	1466.56		-1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	003F0301.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10702	Injection Date:	04/12/12
Lab Sample ID:	2D10702-CCV1	Injection Time:	18:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1073	1107.363	1193.138		7.3	20
o-Terphenyl	A	50.00	50.06	1493.02	1494.82		0.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	017F1701.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10702	Injection Date:	04/13/12
Lab Sample ID:	2D10702-CCV2	Injection Time:	02:05

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1039	1107.363	1154.332		3.9	20
o-Terphenyl	A	50.00	50.88	1493.02	1519.26		1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	023F2301.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10702	Injection Date:	04/13/12
Lab Sample ID:	2D10702-CCV3	Injection Time:	05:23

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	971.9	1107.363	1078.51		-2.8	20
o-Terphenyl	A	50.00	48.18	1493.02	1438.54		-3.6	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	003F0301.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10804	Injection Date:	04/16/12
Lab Sample ID:	2D10804-CCV1	Injection Time:	17:09

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	946.3	1107.363	1049.586		-5.4	20
o-Terphenyl	A	50.00	44.42	1493.02	1326.26		-11.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	017F1701.D	Calibration Date:	04/09/12 12:43
Sequence:	2D10804	Injection Date:	04/17/12
Lab Sample ID:	2D10804-CCV2	Injection Time:	00:54

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	916.5	1107.363	1015.942		-8.4	20
o-Terphenyl	A	50.00	46.45	1493.02	1387.02		-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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10209	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10209-CCV1) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/09/12 18:42		
o-Terphenyl	50.00	96.9	80 - 120	11.296	11.296	0.0000	+/-0.050	
Blank (2D06009-BLK1) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/09/12 19:15		
o-Terphenyl	0.02000	87.8	30 - 140	11.29	11.296	-0.0060	+/-0.050	
LCS (2D06009-BS1) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/09/12 19:48		
o-Terphenyl	0.02000	111	30 - 140	11.293	11.296	-0.0030	+/-0.050	
LCS Dup (2D06009-BSD1) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/09/12 20:22		
o-Terphenyl	0.02000	113	30 - 140	11.293	11.296	-0.0030	+/-0.050	
GW0500 (1204038-01) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/09/12 20:55		
o-Terphenyl	0.01961	90.9	30 - 140	11.293	11.296	-0.0030	+/-0.050	
GW0501 (1204038-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/09/12 21:28		
o-Terphenyl	0.01923	89.0	30 - 140	11.28	11.296	-0.0160	+/-0.050	
GW0502 (1204038-05) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/09/12 22:01		
o-Terphenyl	0.02000	87.9	30 - 140	11.283	11.296	-0.0130	+/-0.050	
GW0503 (1204038-07) mg/L				Lab File ID: 017F1701.D		Analyzed: 04/09/12 22:34		
o-Terphenyl	0.01887	96.7	30 - 140	11.283	11.296	-0.0130	+/-0.050	
GW0504 (1204038-09) mg/L				Lab File ID: 018F1801.D		Analyzed: 04/09/12 23:07		
o-Terphenyl	0.01887	100	30 - 140	11.293	11.296	-0.0030	+/-0.050	
GW0520 (1204038-11) mg/L				Lab File ID: 019F1901.D		Analyzed: 04/09/12 23:40		
o-Terphenyl	0.01923	95.2	30 - 140	11.28	11.296	-0.0160	+/-0.050	
GW0521 (1204038-13) mg/L				Lab File ID: 020F2001.D		Analyzed: 04/10/12 00:13		
o-Terphenyl	0.01887	104	30 - 140	11.28	11.296	-0.0160	+/-0.050	
GW0522 (1204038-15) mg/L				Lab File ID: 021F2101.D		Analyzed: 04/10/12 00:46		
o-Terphenyl	0.01887	89.2	30 - 140	11.286	11.296	-0.0100	+/-0.050	
GW0523 (1204038-17) mg/L				Lab File ID: 022F2201.D		Analyzed: 04/10/12 01:19		
o-Terphenyl	0.01887	106	30 - 140	11.29	11.296	-0.0060	+/-0.050	
Calibration Check (2D10209-CCV2) mg/L				Lab File ID: 029F2901.D		Analyzed: 04/10/12 05:11		
o-Terphenyl	50.00	98.2	80 - 120	11.29	11.296	-0.0060	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10702	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10702-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 04/12/12 18:20		
o-Terphenyl	50.00	100	80 - 120	11.27	11.27	0.0000	+/-0.050	
Blank (2D12004-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/12/12 18:54		
o-Terphenyl	0.02000	94.3	30 - 140	11.29	11.27	0.0200	+/-0.050	
LCS (2D12004-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/12/12 19:27		
o-Terphenyl	0.02000	83.2	30 - 140	11.29	11.27	0.0200	+/-0.050	
LCS Dup (2D12004-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/12/12 20:00		
o-Terphenyl	0.02000	97.7	30 - 140	11.28	11.27	0.0100	+/-0.050	
GW0529 (1204054-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 04/12/12 20:34		
o-Terphenyl	0.01961	87.2	30 - 140	11.266	11.27	-0.0040	+/-0.050	
GW0544 (1204054-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 04/12/12 21:07		
o-Terphenyl	0.02000	86.2	30 - 140	11.266	11.27	-0.0040	+/-0.050	
GW0545 (1204054-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/12/12 21:40		
o-Terphenyl	0.02000	90.3	30 - 140	11.276	11.27	0.0060	+/-0.050	
GW0546 (1204054-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/12/12 22:13		
o-Terphenyl	0.01980	86.4	30 - 140	11.266	11.27	-0.0040	+/-0.050	
GW0590 (1204054-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/12/12 22:46		
o-Terphenyl	0.02000	94.7	30 - 140	11.273	11.27	0.0030	+/-0.050	
GW0591 (1204054-11) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/12/12 23:19		
o-Terphenyl	0.02222	77.3	30 - 140	11.29	11.27	0.0200	+/-0.050	
GW0592 (1204054-13) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/12/12 23:52		
o-Terphenyl	0.01961	79.5	30 - 140	11.28	11.27	0.0100	+/-0.050	
GW0597 (1204054-15) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/13/12 00:25		
o-Terphenyl	0.01961	53.2	30 - 140	11.27	11.27	0.0000	+/-0.050	
GW0598 (1204054-17) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/13/12 00:58		
o-Terphenyl	0.02000	60.8	30 - 140	11.27	11.27	0.0000	+/-0.050	
GW0604 (1204054-19) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/13/12 01:31		
o-Terphenyl	0.01961	82.1	30 - 140	11.263	11.27	-0.0070	+/-0.050	
Calibration Check (2D10702-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 04/13/12 02:05		
o-Terphenyl	50.00	102	80 - 120	11.263	11.27	-0.0070	+/-0.050	
GW0505 (1204063-01) mg/L				Lab File ID: 018F1801.D		Analyzed: 04/13/12 02:38		
o-Terphenyl	0.02000	92.9	30 - 140	11.263	11.27	-0.0070	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10702	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0506 (1204063-03) mg/L				Lab File ID: 019F1901.D		Analyzed: 04/13/12 03:11		
o-Terphenyl	0.02000	93.5	30 - 140	11.27	11.27	0.0000	+/-0.050	
GW0510 (1204063-05) mg/L				Lab File ID: 020F2001.D		Analyzed: 04/13/12 03:44		
o-Terphenyl	0.02000	86.2	30 - 140	11.27	11.27	0.0000	+/-0.050	
GW0596 (1204063-07) mg/L				Lab File ID: 021F2101.D		Analyzed: 04/13/12 04:17		
o-Terphenyl	0.01980	89.4	30 - 140	11.276	11.27	0.0060	+/-0.050	
GW0605 (1204063-09) mg/L				Lab File ID: 022F2201.D		Analyzed: 04/13/12 04:50		
o-Terphenyl	0.01887	88.3	30 - 140	11.273	11.27	0.0030	+/-0.050	
Calibration Check (2D10702-CCV3) mg/L				Lab File ID: 023F2301.D		Analyzed: 04/13/12 05:23		
o-Terphenyl	50.00	96.4	80 - 120	11.286	11.27	0.0160	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10804	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10804-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 04/16/12 17:09		
o-Terphenyl	50.00	88.8	80 - 120	11.316	11.316	0.0000	+/-0.050	
Blank (2D16013-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/16/12 17:42		
o-Terphenyl	0.02000	85.6	30 - 140	11.293	11.316	-0.0230	+/-0.050	
LCS (2D16013-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/16/12 18:15		
o-Terphenyl	0.02000	102	30 - 140	11.306	11.316	-0.0100	+/-0.050	
LCS Dup (2D16013-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/16/12 18:49		
o-Terphenyl	0.02000	104	30 - 140	11.29	11.316	-0.0260	+/-0.050	
GW0527 (1204074-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 04/16/12 19:22		
o-Terphenyl	0.01887	84.1	30 - 140	11.31	11.316	-0.0060	+/-0.050	
GW0547 (1204074-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 04/16/12 19:55		
o-Terphenyl	0.01887	80.3	30 - 140	11.293	11.316	-0.0230	+/-0.050	
GW0548 (1204074-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/16/12 20:29		
o-Terphenyl	0.01923	79.9	30 - 140	11.28	11.316	-0.0360	+/-0.050	
GW0549 (1204074-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/16/12 21:02		
o-Terphenyl	0.01887	86.7	30 - 140	11.296	11.316	-0.0200	+/-0.050	
GW0576 (1204074-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/16/12 21:35		
o-Terphenyl	0.01923	89.2	30 - 140	11.28	11.316	-0.0360	+/-0.050	
GW0577 (1204074-11) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/16/12 22:08		
o-Terphenyl	0.01887	88.5	30 - 140	11.28	11.316	-0.0360	+/-0.050	
GW0578 (1204074-13) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/16/12 22:41		
o-Terphenyl	0.01887	77.2	30 - 140	11.286	11.316	-0.0300	+/-0.050	
GW0579 (1204074-15) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/16/12 23:15		
o-Terphenyl	0.02000	87.5	30 - 140	11.276	11.316	-0.0400	+/-0.050	
Calibration Check (2D10804-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 04/17/12 00:54		
o-Terphenyl	50.00	92.9	80 - 120	11.286	11.316	-0.0300	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0500	04/04/12 13:04	04/06/12 08:20	04/09/12 11:15	4.88	7.00	04/09/12 20:55	0.40	40.00	
GW0501	04/04/12 11:55	04/06/12 08:20	04/09/12 11:15	4.93	7.00	04/09/12 21:28	0.43	40.00	
GW0502	04/04/12 12:18	04/06/12 08:20	04/09/12 11:15	4.91	7.00	04/09/12 22:01	0.45	40.00	
GW0503	04/04/12 09:45	04/06/12 08:20	04/09/12 11:15	5.02	7.00	04/09/12 22:34	0.47	40.00	
GW0504	04/04/12 09:45	04/06/12 08:20	04/09/12 11:15	5.02	7.00	04/09/12 23:07	0.49	40.00	
GW0520	04/04/12 16:25	04/06/12 08:20	04/09/12 11:15	4.74	7.00	04/09/12 23:40	0.52	40.00	
GW0521	04/04/12 13:32	04/06/12 08:20	04/09/12 11:15	4.86	7.00	04/10/12 00:13	0.54	40.00	
GW0522	04/04/12 10:41	04/06/12 08:20	04/09/12 11:15	4.98	7.00	04/10/12 00:46	0.56	40.00	
GW0523	04/04/12 10:41	04/06/12 08:20	04/09/12 11:15	4.98	7.00	04/10/12 01:19	0.59	40.00	
GW0529	04/09/12 11:29	04/11/12 08:30	04/12/12 10:39	2.92	7.00	04/12/12 20:34	0.41	40.00	
GW0544	04/10/12 13:31	04/11/12 08:30	04/12/12 10:39	1.84	7.00	04/12/12 21:07	0.44	40.00	
GW0545	04/10/12 13:31	04/11/12 08:30	04/12/12 10:39	1.84	7.00	04/12/12 21:40	0.46	40.00	
GW0546	04/10/12 11:16	04/11/12 08:30	04/12/12 10:39	1.93	7.00	04/12/12 22:13	0.48	40.00	
GW0590	04/09/12 16:39	04/11/12 08:30	04/12/12 10:39	2.71	7.00	04/12/12 22:46	0.50	40.00	
GW0591	04/09/12 14:26	04/11/12 08:30	04/12/12 10:39	2.80	7.00	04/12/12 23:19	0.53	40.00	
GW0592	04/09/12 11:55	04/11/12 08:30	04/12/12 10:39	2.91	7.00	04/12/12 23:52	0.55	40.00	
GW0597	04/10/12 14:20	04/11/12 08:30	04/12/12 10:39	1.80	7.00	04/13/12 00:25	0.57	40.00	
GW0598	04/10/12 12:04	04/11/12 08:30	04/12/12 10:39	1.90	7.00	04/13/12 00:58	0.60	40.00	
GW0604	04/09/12 15:34	04/11/12 08:30	04/12/12 10:39	2.75	7.00	04/13/12 01:31	0.62	40.00	
GW0505	04/10/12 16:17	04/12/12 08:20	04/12/12 12:18	1.79	7.00	04/13/12 02:38	0.60	40.00	
GW0506	04/11/12 10:19	04/12/12 08:20	04/12/12 12:18	1.04	7.00	04/13/12 03:11	0.62	40.00	
GW0510	04/11/12 12:36	04/12/12 08:20	04/12/12 12:18	0.95	7.00	04/13/12 03:44	0.64	40.00	
GW0596	04/10/12 16:46	04/12/12 08:20	04/12/12 12:18	1.77	7.00	04/13/12 04:17	0.67	40.00	
GW0605	04/11/12 14:16	04/12/12 08:20	04/12/12 12:18	0.88	7.00	04/13/12 04:50	0.69	40.00	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0527	04/11/12 15:31	04/13/12 08:20	04/16/12 11:45	4.80	7.00	04/16/12 19:22	0.32	40.00	
GW0547	04/12/12 15:10	04/13/12 08:20	04/16/12 11:45	3.82	7.00	04/16/12 19:55	0.34	40.00	
GW0548	04/12/12 12:50	04/13/12 08:20	04/16/12 11:45	3.91	7.00	04/16/12 20:29	0.36	40.00	
GW0549	04/12/12 10:30	04/13/12 08:20	04/16/12 11:45	4.01	7.00	04/16/12 21:02	0.39	40.00	
GW0576	04/12/12 15:50	04/13/12 08:20	04/16/12 11:45	3.79	7.00	04/16/12 21:35	0.41	40.00	
GW0577	04/12/12 10:55	04/13/12 08:20	04/16/12 11:45	3.99	7.00	04/16/12 22:08	0.43	40.00	
GW0578	04/12/12 10:55	04/13/12 08:20	04/16/12 11:45	3.99	7.00	04/16/12 22:41	0.46	40.00	
GW0579	04/12/12 13:39	04/13/12 08:20	04/16/12 11:45	3.88	7.00	04/16/12 23:15	0.48	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D06009-BLK1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	04/09/12 19:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2D06009 Sequence: 2D10209 Calibration: 2102003 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	0.01757	87.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D06009-BS1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	04/09/12 19:48
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D06009	Sequence:	2D10209	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9455	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D06009-BSD1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	04/09/12 20:22
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D06009	Sequence:	2D10209	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9705	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02252	113	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D12004-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/12/12 18:54
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D12004	Sequence:	2D10702	Calibration:	2102003	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	0.01887	94.3	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D12004-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/12/12 19:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D12004	Sequence:	2D10702	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.7560	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01664	83.2	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D12004-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	04/12/12 20:00
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D12004	Sequence:	2D10702	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8580	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01954	97.7	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D16013-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/16/12 17:42
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D16013	Sequence:	2D10804	Calibration:	2102003	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	0.01713	85.6	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D16013-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/16/12 18:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D16013	Sequence:	2D10804	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8862	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02044	102	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D16013-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	04/16/12 18:49
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D16013	Sequence:	2D10804	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8909	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02080	104	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10012	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10012-CAL1	003F0301.D	04/06/12 14:12
Cal Standard	2D10012-CAL2	004F0401.D	04/06/12 14:51
Cal Standard	2D10012-CAL3	005F0501.D	04/06/12 15:30
Cal Standard	2D10012-CAL4	006F0601.D	04/06/12 16:09
Cal Standard	2D10012-CAL5	007F0701.D	04/06/12 16:48
Cal Standard	2D10012-CAL6	008F0801.D	04/06/12 17:27
Initial Cal Check	2D10012-ICV1	009F0901.D	04/06/12 18:06

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10117	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10117-CCV1	003F0301.D	04/09/12 14:23
LCS	2D09815-BS1	004F0401.D	04/09/12 15:02
Blank	2D09815-BLK1	005F0501.D	04/09/12 15:41
GW0500	1204038-01	006F0601.D	04/09/12 16:20
GW0500	2D09815-MS1	007F0701.D	04/09/12 16:59
GW0500	2D09815-MSD1	008F0801.D	04/09/12 17:38
GW0501	1204038-03	009F0901.D	04/09/12 18:17
GW0502	1204038-05	010F1001.D	04/09/12 18:55
GW0503	1204038-07	011F1101.D	04/09/12 19:34
GW0504	1204038-09	012F1201.D	04/09/12 20:13
GW0520	1204038-11	013F1301.D	04/09/12 20:52
GW0521	1204038-13	014F1401.D	04/09/12 21:30
GW0522	1204038-15	015F1501.D	04/09/12 22:09
GW0523	1204038-17	016F1601.D	04/09/12 22:47
Calibration Check	2D10117-CCV2	017F1701.D	04/10/12 23:26

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10403	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10403-CCV1	003F0301.D	04/11/12 13:45
LCS	2D11014-BS1	004F0401.D	04/11/12 14:24
Blank	2D11014-BLK1	005F0501.D	04/11/12 15:02
GW0529	1204054-01	006F0601.D	04/11/12 15:41
GW0529	2D11014-MS1	007F0701.D	04/11/12 16:20
GW0529	2D11014-MSD1	008F0801.D	04/11/12 16:59
GW0544	1204054-03	009F0901.D	04/11/12 17:37
GW0545	1204054-05	010F1001.D	04/11/12 18:16
GW0546	1204054-07	011F1101.D	04/11/12 18:55
GW0590	1204054-09	012F1201.D	04/11/12 19:34
GW0591	1204054-11	013F1301.D	04/11/12 20:12
GW0592	1204054-13	014F1401.D	04/11/12 20:51
GW0597	1204054-15	015F1501.D	04/11/12 21:30
GW0598	1204054-17	016F1601.D	04/11/12 22:08
GW0604	1204054-19	017F1701.D	04/11/12 22:46
Calibration Check	2D10403-CCV2	018F1801.D	04/12/12 23:25

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10902	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10902-CCV1	003F0301.D	04/17/12 08:41
LCS	2D17012-BS1	004F0401.D	04/17/12 10:26
Blank	2D17012-BLK1	005F0501.D	04/17/12 11:06
GW0505	1204063-01	006F0601.D	04/17/12 11:46
GW0505	2D17012-MS1	007F0701.D	04/17/12 12:27
GW0505	2D17012-MSD1	008F0801.D	04/17/12 13:07
GW0506	1204063-03	009F0901.D	04/17/12 13:48
GW0510	1204063-05	010F1001.D	04/17/12 14:26
GW0596	1204063-07	011F1101.D	04/17/12 15:05
GW0605	1204063-09	012F1201.D	04/17/12 15:44
GW0527	1204074-01	013F1301.D	04/17/12 16:23
GW0547	1204074-03	014F1401.D	04/17/12 17:01
GW0548	1204074-05	015F1501.D	04/17/12 17:40
GW0549	1204074-07	016F1601.D	04/17/12 18:20
GW0576	1204074-09	017F1701.D	04/17/12 18:59
Calibration Check	2D10902-CCV2	018F1801.D	04/17/12 19:38

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11024	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D11024-CCV1	004F0401.D	04/18/12 08:59
LCS	2D18004-BS1	005F0501.D	04/18/12 12:03
LCS Dup	2D18004-BSD1	006F0601.D	04/18/12 12:42
Blank	2D18004-BLK1	007F0701.D	04/18/12 13:21
GW0577	1204074-11	008F0801.D	04/18/12 14:00
GW0578	1204074-13	009F0901.D	04/18/12 14:39
GW0579	1204074-15	010F1001.D	04/18/12 15:18
Calibration Check	2D11024-CCV2	021F2101.D	04/18/12 22:25

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01	File ID:	006F0601.D
Sampled:	04/04/12 13:04	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 16:20
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 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	0.04682	93.6	50 - 150	Y

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03	File ID:	009F0901.D
Sampled:	04/04/12 11:55	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 18:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 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	0.04866	97.3	50 - 150	Y

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05	File ID:	010F1001.D
Sampled:	04/04/12 12:18	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 18:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 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	0.04904	98.1	50 - 150	Y

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	011F1101.D
Sampled:	04/04/12 09:45	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 19:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 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	0.04873	97.5	50 - 150	Y

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	012F1201.D
Sampled:	04/04/12 09:45	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 20:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 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	Y

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11	File ID:	013F1301.D
Sampled:	04/04/12 16:25	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 20:52
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.173	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04953	99.1	50 - 150	Y

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13	File ID:	014F1401.D
Sampled:	04/04/12 13:32	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 21:30
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.192	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04608	92.2	50 - 150	Y

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15	File ID:	015F1501.D
Sampled:	04/04/12 10:41	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 22:09
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.118	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04757	95.1	50 - 150	Y

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17	File ID:	016F1601.D
Sampled:	04/04/12 10:41	Prepared:	04/09/12 09:38	Analyzed:	04/09/12 22:47
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D09815 Sequence: 2D10117 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.120	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04769	95.4	50 - 150	Y

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01	File ID:	006F0601.D
Sampled:	04/09/12 11:29	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 15:41
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 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	0.04648	93.0	50 - 150	

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03	File ID:	009F0901.D
Sampled:	04/10/12 13:31	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 17:37
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.123	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04891	97.8	50 - 150	

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05	File ID:	010F1001.D
Sampled:	04/10/12 13:31	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 18:16
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.105	0.0500	0.100	0.150	J

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

ANALYSIS DATA SHEET

GW0546

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07	File ID:	011F1101.D
Sampled:	04/10/12 11:16	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 18:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 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	0.04851	97.0	50 - 150	

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09	File ID:	012F1201.D
Sampled:	04/09/12 16:39	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 19:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.28	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05427	109	50 - 150	

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11	File ID:	013F1301.D
Sampled:	04/09/12 14:26	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 20:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	1.77	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05574	111	50 - 150	

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13	File ID:	014F1401.D
Sampled:	04/09/12 11:55	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 20:51
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 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	0.04810	96.2	50 - 150	

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15	File ID:	015F1501.D
Sampled:	04/10/12 14:20	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 21:30
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 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	0.04468	89.4	50 - 150	

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17	File ID:	016F1601.D
Sampled:	04/10/12 12:04	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 22:08
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 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	0.04552	91.0	50 - 150	

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19	File ID:	017F1701.D
Sampled:	04/09/12 15:34	Prepared:	04/11/12 13:00	Analyzed:	04/11/12 22:46
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 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	0.04510	90.2	50 - 150	

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01	File ID:	006F0601.D
Sampled:	04/10/12 16:17	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 11:46
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.05203	104	50 - 150	

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03	File ID:	009F0901.D
Sampled:	04/11/12 10:19	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 13:48
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.165	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05008	100	50 - 150	

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05	File ID:	010F1001.D
Sampled:	04/11/12 12:36	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 14:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.04954	99.1	50 - 150	

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07	File ID:	011F1101.D
Sampled:	04/10/12 16:46	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 15:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.04846	96.9	50 - 150	

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09	File ID:	012F1201.D
Sampled:	04/11/12 14:16	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 15:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.04750	95.0	50 - 150	

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01	File ID:	013F1301.D
Sampled:	04/11/12 15:31	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 16:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.04643	92.9	50 - 150	

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03	File ID:	014F1401.D
Sampled:	04/12/12 15:10	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 17:01
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.04847	96.9	50 - 150	

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05	File ID:	015F1501.D
Sampled:	04/12/12 12:50	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 17:40
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.04867	97.3	50 - 150	

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07	File ID:	016F1601.D
Sampled:	04/12/12 10:30	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 18:20
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 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	0.04946	98.9	50 - 150	

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09	File ID:	017F1701.D
Sampled:	04/12/12 15:50	Prepared:	04/17/12 08:00	Analyzed:	04/17/12 18:59
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.214	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04892	97.8	50 - 150	

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11	File ID:	008F0801.D
Sampled:	04/12/12 10:55	Prepared:	04/18/12 07:31	Analyzed:	04/18/12 14:00
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D18004 Sequence: 2D11024 Calibration: 2100004 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	0.04912	98.2	50 - 150	

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13	File ID:	009F0901.D
Sampled:	04/12/12 10:55	Prepared:	04/18/12 07:31	Analyzed:	04/18/12 14:39
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D18004 Sequence: 2D11024 Calibration: 2100004 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	0.05045	101	50 - 150	

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15	File ID:	010F1001.D
Sampled:	04/12/12 13:39	Prepared:	04/18/12 07:31	Analyzed:	04/18/12 15:18
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D18004 Sequence: 2D11024 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0832	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04983	99.7	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D09815	Laboratory ID:	2D09815-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	0.4714	94.3	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D11014	Laboratory ID:	2D11014-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	0.4936	98.7	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D17012	Laboratory ID:	2D17012-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	0.4603	92.1	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D18004	Laboratory ID:	2D18004-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	0.4649	93.0	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4587	91.7	1.35	50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0500

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D09815

% Solids:

Source Sample Name: **1204038-01**

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	0.4546	90.9		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	0.4695	93.9	3.23		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0529

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D11014

% Solids:

Source Sample Name: **1204054-01**

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	0.4320	86.4		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	0.4482	89.6	3.66		50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0505

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D17012

% Solids:

Source Sample Name: **1204063-01**

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	0.4804	96.1		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	0.4873	97.5	1.42		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D09815 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/09/12 09:38	5.00	5.00
GW0501	1204038-03	04/09/12 09:38	5.00	5.00
GW0502	1204038-05	04/09/12 09:38	5.00	5.00
GW0503	1204038-07	04/09/12 09:38	5.00	5.00
GW0504	1204038-09	04/09/12 09:38	5.00	5.00
GW0520	1204038-11	04/09/12 09:38	5.00	5.00
GW0521	1204038-13	04/09/12 09:38	5.00	5.00
GW0522	1204038-15	04/09/12 09:38	5.00	5.00
GW0523	1204038-17	04/09/12 09:38	5.00	5.00
Blank	2D09815-BLK1	04/09/12 09:38	5.00	5.00
LCS	2D09815-BS1	04/09/12 09:38	5.00	5.00
GW0500	2D09815-MS1	04/09/12 09:38	5.00	5.00
GW0500	2D09815-MSD1	04/09/12 09:38	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D11014 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/11/12 13:00	5.00	5.00
GW0544	1204054-03	04/11/12 13:00	5.00	5.00
GW0545	1204054-05	04/11/12 13:00	5.00	5.00
GW0546	1204054-07	04/11/12 13:00	5.00	5.00
GW0590	1204054-09	04/11/12 13:00	5.00	5.00
GW0591	1204054-11	04/11/12 13:00	5.00	5.00
GW0592	1204054-13	04/11/12 13:00	5.00	5.00
GW0597	1204054-15	04/11/12 13:00	5.00	5.00
GW0598	1204054-17	04/11/12 13:00	5.00	5.00
GW0604	1204054-19	04/11/12 13:00	5.00	5.00
Blank	2D11014-BLK1	04/11/12 13:00	5.00	5.00
LCS	2D11014-BS1	04/11/12 13:00	5.00	5.00
GW0529	2D11014-MS1	04/11/12 13:00	5.00	5.00
GW0529	2D11014-MSD1	04/11/12 13:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D17012 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0505	1204063-01	04/17/12 08:00	5.00	5.00
GW0506	1204063-03	04/17/12 08:00	5.00	5.00
GW0510	1204063-05	04/17/12 08:00	5.00	5.00
GW0596	1204063-07	04/17/12 08:00	5.00	5.00
GW0605	1204063-09	04/17/12 08:00	5.00	5.00
GW0527	1204074-01	04/17/12 08:00	5.00	5.00
GW0547	1204074-03	04/17/12 08:00	5.00	5.00
GW0548	1204074-05	04/17/12 08:00	5.00	5.00
GW0549	1204074-07	04/17/12 08:00	5.00	5.00
GW0576	1204074-09	04/17/12 08:00	5.00	5.00
Blank	2D17012-BLK1	04/17/12 08:00	5.00	5.00
LCS	2D17012-BS1	04/17/12 08:00	5.00	5.00
GW0505	2D17012-MS1	04/17/12 08:00	5.00	5.00
GW0505	2D17012-MSD1	04/17/12 08:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D18004 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0577	1204074-11	04/18/12 07:31	5.00	5.00
GW0578	1204074-13	04/18/12 07:31	5.00	5.00
GW0579	1204074-15	04/18/12 07:31	5.00	5.00
Blank	2D18004-BLK1	04/18/12 07:31	5.00	5.00
LCS	2D18004-BS1	04/18/12 07:31	5.00	5.00
LCS Dup	2D18004-BSD1	04/18/12 07:31	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10012	Instrument:	GL-GCVOA2
Calibration:	2100004		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12D0177	GRO Cal 0.1ppm	2D10012-CAL1	003F0301.D	04/06/12 14:12
12D0178	GRO Cal 0.2ppm	2D10012-CAL2	004F0401.D	04/06/12 14:51
12D0179	GRO Cal 0.5ppm	2D10012-CAL3	005F0501.D	04/06/12 15:30
12D0180	GRO Cal 1.0ppm	2D10012-CAL4	006F0601.D	04/06/12 16:09
12D0181	GRO Cal 2.0ppm	2D10012-CAL5	007F0701.D	04/06/12 16:48
12D0182	GRO Cal 5.0ppm	2D10012-CAL6	008F0801.D	04/06/12 17:27

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2100004	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	4/6/12_14:12	4/6/12_17:27

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	2025640	0.2	1479620	0.5	1423608	1	1474626	2	1464329	5	1373920
Bromofluorobenzene	0.01	1313600	0.02	1114250	0.05	1035720	0.1	1068850	0.2	1060405	0.5	1041776

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2100004	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	4/6/12 14:12	4/6/12 17:27

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1540290	15.65222	7.77	1.784319E-02			20	
Bromofluorobenzene	1105767	9.544083	20.28133	1.031725E-02			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	009F0901.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10012	Injection Date:	04/06/12
Lab Sample ID:	2D10012-ICV1	Injection Time:	18:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4745	1540290	1461726		-5.1	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	003F0301.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10117	Injection Date:	04/09/12
Lab Sample ID:	2D10117-CCV1	Injection Time:	14:23

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5028	1540290	1548914		0.6	20
Bromofluorobenzene	A	0.05000	0.04270	1105767	944360		-14.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	017F1701.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10117	Injection Date:	04/10/12
Lab Sample ID:	2D10117-CCV2	Injection Time:	23:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4464	1540290	1375080		-10.7	20
Bromofluorobenzene	A	0.05000	0.03810	1105767	842520		-23.8	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	003F0301.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10403	Injection Date:	04/11/12
Lab Sample ID:	2D10403-CCV1	Injection Time:	13:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4746	1540290	1462176		-5.1	20
Bromofluorobenzene	A	0.05000	0.04458	1105767	985980		-10.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	018F1801.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10403	Injection Date:	04/12/12
Lab Sample ID:	2D10403-CCV2	Injection Time:	23:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4609	1540290	1419802		-7.8	20
Bromofluorobenzene	A	0.05000	0.04338	1105767	959280		-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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	003F0301.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10902	Injection Date:	04/17/12
Lab Sample ID:	2D10902-CCV1	Injection Time:	08:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4783	1540290	1473490		-4.3	20
Bromofluorobenzene	A	0.05000	0.04944	1105767	1093340		-1.1	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	018F1801.D	Calibration Date:	04/06/12 13:52
Sequence:	2D10902	Injection Date:	04/17/12
Lab Sample ID:	2D10902-CCV2	Injection Time:	19:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4336	1540290	1335778		-13.3	20
Bromofluorobenzene	A	0.05000	0.04557	1105767	1007760		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	004F0401.D	Calibration Date:	04/06/12 13:52
Sequence:	2D11024	Injection Date:	04/18/12
Lab Sample ID:	2D11024-CCV1	Injection Time:	08:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4810	1540290	1481652		-3.8	20
Bromofluorobenzene	A	0.05000	0.05294	1105767	1170800		5.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	021F2101.D	Calibration Date:	04/06/12 13:52
Sequence:	2D11024	Injection Date:	04/18/12
Lab Sample ID:	2D11024-CCV2	Injection Time:	22:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4237	1540290	1305200		-15.3	20
Bromofluorobenzene	A	0.05000	0.04673	1105767	1033460		-6.5	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10117	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10117-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 04/09/12 14:23		
Bromofluorobenzene	0.05000	85.4	80 - 120	20.273	20.273	0.0000	+/-0.210	
LCS (2D09815-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/09/12 15:02		
Bromofluorobenzene	0.05000	91.2	50 - 150	20.28	20.273	0.0070	+/-0.210	
Blank (2D09815-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/09/12 15:41		
Bromofluorobenzene	0.05000	94.1	50 - 150	20.283	20.273	0.0100	+/-0.210	
GW0500 (1204038-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/09/12 16:20		
Bromofluorobenzene	0.05000	93.6	50 - 150	20.286	20.273	0.0130	+/-0.210	
Matrix Spike (2D09815-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 04/09/12 16:59		
Bromofluorobenzene	0.05000	82.6	50 - 150	20.286	20.273	0.0130	+/-0.210	
Matrix Spike Dup (2D09815-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 04/09/12 17:38		
Bromofluorobenzene	0.05000	80.4	50 - 150	20.286	20.273	0.0130	+/-0.210	
GW0501 (1204038-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/09/12 18:17		
Bromofluorobenzene	0.05000	97.3	50 - 150	20.286	20.273	0.0130	+/-0.210	
GW0502 (1204038-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/09/12 18:55		
Bromofluorobenzene	0.05000	98.1	50 - 150	20.286	20.273	0.0130	+/-0.210	
GW0503 (1204038-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/09/12 19:34		
Bromofluorobenzene	0.05000	97.5	50 - 150	20.286	20.273	0.0130	+/-0.210	
GW0504 (1204038-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/09/12 20:13		
Bromofluorobenzene	0.05000	100	50 - 150	20.286	20.273	0.0130	+/-0.210	
GW0520 (1204038-11) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/09/12 20:52		
Bromofluorobenzene	0.05000	99.1	50 - 150	20.29	20.273	0.0170	+/-0.210	
GW0521 (1204038-13) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/09/12 21:30		
Bromofluorobenzene	0.05000	92.2	50 - 150	20.296	20.273	0.0230	+/-0.210	
GW0522 (1204038-15) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/09/12 22:09		
Bromofluorobenzene	0.05000	95.1	50 - 150	20.3	20.273	0.0270	+/-0.210	
GW0523 (1204038-17) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/09/12 22:47		
Bromofluorobenzene	0.05000	95.4	50 - 150	20.296	20.273	0.0230	+/-0.210	
Calibration Check (2D10117-CCV2) ug/mL				Lab File ID: 017F1701.D		Analyzed: 04/10/12 23:26		
Bromofluorobenzene	0.05000	76.2	80 - 120	20.296	20.273	0.0230	+/-0.210	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10403	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10403-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 04/11/12 13:45		
Bromofluorobenzene	0.05000	89.2	80 - 120	20.266	20.266	0.0000	+/-0.210	
LCS (2D11014-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/11/12 14:24		
Bromofluorobenzene	0.05000	84.2	50 - 150	20.27	20.266	0.0040	+/-0.210	
Blank (2D11014-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/11/12 15:02		
Bromofluorobenzene	0.05000	95.4	50 - 150	20.273	20.266	0.0070	+/-0.210	
GW0529 (1204054-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/11/12 15:41		
Bromofluorobenzene	0.05000	93.0	50 - 150	20.273	20.266	0.0070	+/-0.210	
Matrix Spike (2D11014-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 04/11/12 16:20		
Bromofluorobenzene	0.05000	75.8	50 - 150	20.276	20.266	0.0100	+/-0.210	
Matrix Spike Dup (2D11014-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 04/11/12 16:59		
Bromofluorobenzene	0.05000	68.9	50 - 150	20.276	20.266	0.0100	+/-0.210	
GW0544 (1204054-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/11/12 17:37		
Bromofluorobenzene	0.05000	97.8	50 - 150	20.276	20.266	0.0100	+/-0.210	
GW0545 (1204054-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/11/12 18:16		
Bromofluorobenzene	0.05000	93.2	50 - 150	20.276	20.266	0.0100	+/-0.210	
GW0546 (1204054-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/11/12 18:55		
Bromofluorobenzene	0.05000	97.0	50 - 150	20.276	20.266	0.0100	+/-0.210	
GW0590 (1204054-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/11/12 19:34		
Bromofluorobenzene	0.05000	109	50 - 150	20.273	20.266	0.0070	+/-0.210	
GW0591 (1204054-11) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/11/12 20:12		
Bromofluorobenzene	0.05000	111	50 - 150	20.27	20.266	0.0040	+/-0.210	
GW0592 (1204054-13) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/11/12 20:51		
Bromofluorobenzene	0.05000	96.2	50 - 150	20.276	20.266	0.0100	+/-0.210	
GW0597 (1204054-15) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/11/12 21:30		
Bromofluorobenzene	0.05000	89.4	50 - 150	20.286	20.266	0.0200	+/-0.210	
GW0598 (1204054-17) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/11/12 22:08		
Bromofluorobenzene	0.05000	91.0	50 - 150	20.283	20.266	0.0170	+/-0.210	
GW0604 (1204054-19) mg/L				Lab File ID: 017F1701.D		Analyzed: 04/11/12 22:46		
Bromofluorobenzene	0.05000	90.2	50 - 150	20.283	20.266	0.0170	+/-0.210	
Calibration Check (2D10403-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 04/12/12 23:25		
Bromofluorobenzene	0.05000	86.8	80 - 120	20.283	20.266	0.0170	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10902	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D10902-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 04/17/12 08:41		
Bromofluorobenzene	0.05000	98.9	80 - 120	20.263	20.263	0.0000	+/-0.210	
LCS (2D17012-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/17/12 10:26		
Bromofluorobenzene	0.05000	96.6	50 - 150	20.263	20.263	0.0000	+/-0.210	
Blank (2D17012-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/17/12 11:06		
Bromofluorobenzene	0.05000	106	50 - 150	20.266	20.263	0.0030	+/-0.210	
GW0505 (1204063-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/17/12 11:46		
Bromofluorobenzene	0.05000	104	50 - 150	20.27	20.263	0.0070	+/-0.210	
Matrix Spike (2D17012-MS1) mg/L				Lab File ID: 007F0701.D		Analyzed: 04/17/12 12:27		
Bromofluorobenzene	0.05000	87.1	50 - 150	20.27	20.263	0.0070	+/-0.210	
Matrix Spike Dup (2D17012-MSD1) mg/L				Lab File ID: 008F0801.D		Analyzed: 04/17/12 13:07		
Bromofluorobenzene	0.05000	85.7	50 - 150	20.273	20.263	0.0100	+/-0.210	
GW0506 (1204063-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/17/12 13:48		
Bromofluorobenzene	0.05000	100	50 - 150	20.28	20.263	0.0170	+/-0.210	
GW0510 (1204063-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/17/12 14:26		
Bromofluorobenzene	0.05000	99.1	50 - 150	20.283	20.263	0.0200	+/-0.210	
GW0596 (1204063-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/17/12 15:05		
Bromofluorobenzene	0.05000	96.9	50 - 150	20.286	20.263	0.0230	+/-0.210	
GW0605 (1204063-09) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/17/12 15:44		
Bromofluorobenzene	0.05000	95.0	50 - 150	20.286	20.263	0.0230	+/-0.210	
GW0527 (1204074-01) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/17/12 16:23		
Bromofluorobenzene	0.05000	92.9	50 - 150	20.29	20.263	0.0270	+/-0.210	
GW0547 (1204074-03) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/17/12 17:01		
Bromofluorobenzene	0.05000	96.9	50 - 150	20.29	20.263	0.0270	+/-0.210	
GW0548 (1204074-05) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/17/12 17:40		
Bromofluorobenzene	0.05000	97.3	50 - 150	20.29	20.263	0.0270	+/-0.210	
GW0549 (1204074-07) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/17/12 18:20		
Bromofluorobenzene	0.05000	98.9	50 - 150	20.29	20.263	0.0270	+/-0.210	
GW0576 (1204074-09) mg/L				Lab File ID: 017F1701.D		Analyzed: 04/17/12 18:59		
Bromofluorobenzene	0.05000	97.8	50 - 150	20.29	20.263	0.0270	+/-0.210	
Calibration Check (2D10902-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 04/17/12 19:38		
Bromofluorobenzene	0.05000	91.1	80 - 120	20.293	20.263	0.0300	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11024	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D11024-CCV1) ug/mL				Lab File ID: 004F0401.D		Analyzed: 04/18/12 08:59		
Bromofluorobenzene	0.05000	106	80 - 120	20.27	20.27	0.0000	+/-0.210	
LCS (2D18004-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/18/12 12:03		
Bromofluorobenzene	0.05000	98.9	50 - 150	20.266	20.27	-0.0040	+/-0.210	
LCS Dup (2D18004-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/18/12 12:42		
Bromofluorobenzene	0.05000	99.6	50 - 150	20.273	20.27	0.0030	+/-0.210	
Blank (2D18004-BLK1) mg/L				Lab File ID: 007F0701.D		Analyzed: 04/18/12 13:21		
Bromofluorobenzene	0.05000	101	50 - 150	20.28	20.27	0.0100	+/-0.210	
GW0577 (1204074-11) mg/L				Lab File ID: 008F0801.D		Analyzed: 04/18/12 14:00		
Bromofluorobenzene	0.05000	98.2	50 - 150	20.283	20.27	0.0130	+/-0.210	
GW0578 (1204074-13) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/18/12 14:39		
Bromofluorobenzene	0.05000	101	50 - 150	20.29	20.27	0.0200	+/-0.210	
GW0579 (1204074-15) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/18/12 15:18		
Bromofluorobenzene	0.05000	99.7	50 - 150	20.29	20.27	0.0200	+/-0.210	
Calibration Check (2D11024-CCV2) ug/mL				Lab File ID: 021F2101.D		Analyzed: 04/18/12 22:25		
Bromofluorobenzene	0.05000	93.5	80 - 120	20.3	20.27	0.0300	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0500	04/04/12 13:04	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 16:20	5.09	14.00	
GW0501	04/04/12 11:55	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 18:17	5.22	14.00	
GW0502	04/04/12 12:18	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 18:55	5.23	14.00	
GW0503	04/04/12 09:45	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 19:34	5.37	14.00	
GW0504	04/04/12 09:45	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 20:13	5.39	14.00	
GW0520	04/04/12 16:25	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 20:52	5.14	14.00	
GW0521	04/04/12 13:32	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 21:30	5.29	14.00	
GW0522	04/04/12 10:41	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 22:09	5.44	14.00	
GW0523	04/04/12 10:41	04/06/12 08:20	04/09/12 09:38	N/A	14.00	04/09/12 22:47	5.46	14.00	
GW0529	04/09/12 11:29	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 15:41	2.13	14.00	
GW0544	04/10/12 13:31	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 17:37	1.13	14.00	
GW0545	04/10/12 13:31	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 18:16	1.16	14.00	
GW0546	04/10/12 11:16	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 18:55	1.28	14.00	
GW0590	04/09/12 16:39	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 19:34	2.08	14.00	
GW0591	04/09/12 14:26	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 20:12	2.20	14.00	
GW0592	04/09/12 11:55	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 20:51	2.33	14.00	
GW0597	04/10/12 14:20	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 21:30	1.26	14.00	
GW0598	04/10/12 12:04	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 22:08	1.38	14.00	
GW0604	04/09/12 15:34	04/11/12 08:30	04/11/12 13:00	N/A	14.00	04/11/12 22:46	2.26	14.00	
GW0505	04/10/12 16:17	04/12/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 11:46	6.77	14.00	
GW0506	04/11/12 10:19	04/12/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 13:48	6.10	14.00	
GW0510	04/11/12 12:36	04/12/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 14:26	6.03	14.00	
GW0596	04/10/12 16:46	04/12/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 15:05	6.89	14.00	
GW0605	04/11/12 14:16	04/12/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 15:44	6.02	14.00	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0527	04/11/12 15:31	04/13/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 16:23	5.99	14.00	
GW0547	04/12/12 15:10	04/13/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 17:01	5.04	14.00	
GW0548	04/12/12 12:50	04/13/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 17:40	5.16	14.00	
GW0549	04/12/12 10:30	04/13/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 18:20	5.28	14.00	
GW0576	04/12/12 15:50	04/13/12 08:20	04/17/12 08:00	N/A	14.00	04/17/12 18:59	5.09	14.00	
GW0577	04/12/12 10:55	04/13/12 08:20	04/18/12 07:31	N/A	14.00	04/18/12 14:00	6.09	14.00	
GW0578	04/12/12 10:55	04/13/12 08:20	04/18/12 07:31	N/A	14.00	04/18/12 14:39	6.11	14.00	
GW0579	04/12/12 13:39	04/13/12 08:20	04/18/12 07:31	N/A	14.00	04/18/12 15:18	6.03	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D09815-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/09/12 15:41
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D09815	Sequence:	2D10117	Calibration:	2100004	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	0.04703	94.1	50 - 150	Y

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D09815-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/09/12 15:02
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D09815	Sequence:	2D10117	Calibration:	2100004	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	0.04558	91.2	50 - 150	Y

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D09815-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	04/09/12 16:59
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D09815	Sequence:	2D10117	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4546	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04131	82.6	50 - 150	Y

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D09815-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	04/09/12 17:38
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D09815	Sequence:	2D10117	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4695	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04019	80.4	50 - 150	Y

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D11014-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/11/12 15:02
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D11014	Sequence:	2D10403	Calibration:	2100004	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	0.04769	95.4	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D11014-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/11/12 14:24
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D11014	Sequence:	2D10403	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4936	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04209	84.2	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2D11014-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	04/11/12 16:20
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2D11014 Sequence: 2D10403 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4320	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03791	75.8	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D11014-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	04/11/12 16:59
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D11014	Sequence:	2D10403	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4482	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03443	68.9	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D17012-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/17/12 11:06
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D17012	Sequence:	2D10902	Calibration:	2100004	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	0.05294	106	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D17012-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/17/12 10:26
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2D17012 Sequence: 2D10902 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4603	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04832	96.6	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D17012-MS1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	04/17/12 12:27
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D17012	Sequence:	2D10902	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4804	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04355	87.1	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D17012-MSD1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	04/17/12 13:07
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D17012	Sequence:	2D10902	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4873	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04286	85.7	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D18004-BLK1	File ID:	007F0701.D
Sampled:		Prepared:		Analyzed:	04/18/12 13:21
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D18004	Sequence:	2D11024	Calibration:	2100004	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	0.05028	101	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D18004-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/18/12 12:03
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D18004	Sequence:	2D11024	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4649	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04944	98.9	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D18004-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	04/18/12 12:42
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D18004	Sequence:	2D11024	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4587	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04978	99.6	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10206	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10206-CCV1	002R0101.D	04/10/12 10:33
Calibration Check	2D10206-CCV1	002F0101.D	04/10/12 10:33
Blank	2D10102-BLK1	003R0101.D	04/10/12 10:54
LCS	2D10102-BS1	004R0101.D	04/10/12 11:15
LCS	2D10102-BS1	004F0101.D	04/10/12 11:15
LCS Dup	2D10102-BSD1	005R0101.D	04/10/12 11:36
LCS Dup	2D10102-BSD1	005F0101.D	04/10/12 11:36
GW0500	1204038-01	008R0101.D	04/10/12 12:41
GW0501	1204038-03	009R0101.D	04/10/12 13:02
GW0502	1204038-05	010R0101.D	04/10/12 13:24
GW0503	1204038-07	011R0101.D	04/10/12 13:45
GW0504	1204038-09	012F0101.D	04/10/12 14:06
GW0521	1204038-13	014F0101.D	04/10/12 14:49
GW0521	1204038-13	014R0101.D	04/10/12 14:49
GW0522	1204038-15	015R0101.D	04/10/12 15:10
GW0522	1204038-15	015F0101.D	04/10/12 15:10
GW0523	1204038-17	016R0101.D	04/10/12 15:32
GW0523	1204038-17	016F0101.D	04/10/12 15:32
Calibration Check	2D10206-CCV2	018F0101.D	04/10/12 16:14
Calibration Check	2D10206-CCV2	018R0101.D	04/10/12 16:14
GW0520	1204038-11RE1	019R0101.D	04/10/12 16:36
GW0520	1204038-11RE1	019F0101.D	04/10/12 16:36
Calibration Check	2D10206-CCV3	020R0101.D	04/10/12 16:57
Calibration Check	2D10206-CCV3	020F0101.D	04/10/12 16:57

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10408	Instrument:	GL-ECD2
Calibration:	2031002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10408-CCV1	002R0101.D	04/12/12 12:10
Calibration Check	2D10408-CCV1	002F0101.D	04/12/12 12:10
Blank	2D11013-BLK1	003R0101.D	04/12/12 13:43
LCS	2D11013-BS1	004R0101.D	04/12/12 14:00
LCS	2D11013-BS1	004F0101.D	04/12/12 14:00
LCS Dup	2D11013-BSD1	005F0101.D	04/12/12 14:21
LCS Dup	2D11013-BSD1	005R0101.D	04/12/12 14:21
GW0529	1204054-01	006F0101.D	04/12/12 14:42
GW0544	1204054-03	007F0101.D	04/12/12 15:03
GW0544	1204054-03	007R0101.D	04/12/12 15:03
GW0545	1204054-05	008R0101.D	04/12/12 15:25
GW0545	1204054-05	008F0101.D	04/12/12 15:25
GW0546	1204054-07	009R0101.D	04/12/12 15:46
GW0590	1204054-09	010R0101.D	04/12/12 16:07
GW0590	1204054-09	010F0101.D	04/12/12 16:07
GW0591	1204054-11	011F0101.D	04/12/12 16:29
GW0591	1204054-11	011R0101.D	04/12/12 16:29
GW0592	1204054-13	012R0101.D	04/12/12 16:50
GW0598	1204054-17	014R0101.D	04/12/12 17:32
GW0604	1204054-19	015F0101.D	04/12/12 17:53
Calibration Check	2D10408-CCV2	016R0101.D	04/12/12 18:14
Calibration Check	2D10408-CCV2	016F0101.D	04/12/12 18:14

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10802	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10802-CAL1	002R0101.D	04/13/12 10:24
Cal Standard	2D10802-CAL1	002F0101.D	04/13/12 10:24
Cal Standard	2D10802-CAL2	003F0101.D	04/13/12 10:45
Cal Standard	2D10802-CAL2	003R0101.D	04/13/12 10:45
Cal Standard	2D10802-CAL3	004F0101.D	04/13/12 11:06
Cal Standard	2D10802-CAL3	004R0101.D	04/13/12 11:06
Cal Standard	2D10802-CAL4	005F0101.D	04/13/12 11:27
Cal Standard	2D10802-CAL4	005R0101.D	04/13/12 11:27
Cal Standard	2D10802-CAL5	006R0101.D	04/13/12 11:49
Cal Standard	2D10802-CAL5	006F0101.D	04/13/12 11:49
Cal Standard	2D10802-CAL6	007R0101.D	04/13/12 12:10
Cal Standard	2D10802-CAL6	007F0101.D	04/13/12 12:10
Cal Standard	2D10802-CAL7	008F0101.D	04/13/12 12:31
Cal Standard	2D10802-CAL7	008R0101.D	04/13/12 12:31
Cal Standard	2D10802-CAL8	009F0101.D	04/13/12 12:53
Cal Standard	2D10802-CAL8	009R0101.D	04/13/12 12:53
Cal Standard	2D10802-CAL9	010F0101.D	04/13/12 13:14
Cal Standard	2D10802-CAL9	010R0101.D	04/13/12 13:14
Initial Cal Check	2D10802-ICV1	011R0101.D	04/13/12 13:35
Initial Cal Check	2D10802-ICV1	011F0101.D	04/13/12 13:35

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10811	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10811-CCV1	002R0101.D	04/13/12 17:36
Calibration Check	2D10811-CCV1	002F0101.D	04/13/12 17:36
Blank	2D12017-BLK1	003R0101.D	04/13/12 17:57
LCS	2D12017-BS1	004R0101.D	04/13/12 18:18
LCS	2D12017-BS1	004F0101.D	04/13/12 18:18
LCS Dup	2D12017-BSD1	005R0101.D	04/13/12 18:40
LCS Dup	2D12017-BSD1	005F0101.D	04/13/12 18:40
GW0505	1204063-01	006F0101.D	04/13/12 19:01
GW0510	1204063-05	008R0101.D	04/13/12 19:43
GW0596	1204063-07	009R0101.D	04/13/12 20:04
GW0596	1204063-07	009F0101.D	04/13/12 20:04
GW0605	1204063-09	010R0101.D	04/13/12 20:25
Calibration Check	2D10811-CCV2	016R0101.D	04/13/12 22:33
Calibration Check	2D10811-CCV2	016F0101.D	04/13/12 22:33

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10910	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10910-CCV1	002R0101.D	04/16/12 13:33
Calibration Check	2D10910-CCV1	002F0101.D	04/16/12 13:33
Blank	2D13009-BLK1	003R0101.D	04/16/12 13:54
LCS	2D13009-BS1	004F0101.D	04/16/12 14:15
LCS	2D13009-BS1	004R0101.D	04/16/12 14:15
GW0578	1204074-13	005R0101.D	04/16/12 14:37
GW0579	1204074-15	006R0101.D	04/16/12 14:58
GW0579	1204074-15	006F0101.D	04/16/12 14:58
Calibration Check	2D10910-CCV2	017F0101.D	04/16/12 18:51
Calibration Check	2D10910-CCV2	017R0101.D	04/16/12 18:51
GW0506	1204063-03RE1	024R0101.D	04/16/12 21:19
GW0506	1204063-03RE1	024F0101.D	04/16/12 21:19
Calibration Check	2D10910-CCV3	028F0101.D	04/16/12 22:43
Calibration Check	2D10910-CCV3	028R0101.D	04/16/12 22:43
GW0527	1204074-01	030R0101.D	04/16/12 23:25
GW0547	1204074-03	031R0101.D	04/16/12 23:46
GW0548	1204074-05	032R0101.D	04/17/12 00:07
GW0549	1204074-07	033R0101.D	04/17/12 00:28
GW0576	1204074-09	034F0101.D	04/17/12 00:49
GW0576	1204074-09	034R0101.D	04/17/12 00:49
GW0577	1204074-11	035R0101.D	04/17/12 01:10
Calibration Check	2D10910-CCV4	036R0101.D	04/17/12 01:31
Calibration Check	2D10910-CCV4	036F0101.D	04/17/12 01:31

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13708	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13708-CCV2	007R0101.D	05/15/12 13:12
Calibration Check	2E13708-CCV2	007F0101.D	05/15/12 13:12
Blank	2E15009-BLK1	008R0101.D	05/15/12 13:58
LCS	2E15009-BS1	009R0101.D	05/15/12 14:15
LCS	2E15009-BS1	009F0101.D	05/15/12 14:15
LCS Dup	2E15009-BSD1	010R0101.D	05/15/12 14:36
LCS Dup	2E15009-BSD1	010F0101.D	05/15/12 14:36
GW0597	1204054-15RE1	016R0101.D	05/15/12 16:45
GW0597	1204054-15RE1	016F0101.D	05/15/12 16:45
Calibration Check	2E13708-CCV3	018R0101.D	05/15/12 17:28
Calibration Check	2E13708-CCV3	018F0101.D	05/15/12 17:28

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01	File ID:	008R0101.D
Sampled:	04/04/12 13:04	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 12:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00953	0.0191	0.0286	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03	File ID:	009R0101.D
Sampled:	04/04/12 11:55	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 13:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 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

GW0502

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05	File ID:	010R0101.D
Sampled:	04/04/12 12:18	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 13:24
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00947	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07	File ID:	011R0101.D
Sampled:	04/04/12 09:45	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 13:45
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00955	0.0191	0.0286	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09	File ID:	012F0101.D
Sampled:	04/04/12 09:45	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 14:06
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 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

GW0520

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11RE1	File ID:	019R0101.D
Sampled:	04/04/12 16:25	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 16:36
Solids:		Preparation:	EDB	Dilution:	2

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	1.31	0.0191	0.0381	0.0572	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13	File ID:	014R0101.D
Sampled:	04/04/12 13:32	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 14:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.218	0.00952	0.0190	0.0285	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15	File ID:	015R0101.D
Sampled:	04/04/12 10:41	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 15:10
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.223	0.00946	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17	File ID:	016R0101.D
Sampled:	04/04/12 10:41	Prepared:	04/10/12 08:32	Analyzed:	04/10/12 15:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.262	0.00950	0.0190	0.0285	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01	File ID:	006F0101.D
Sampled:	04/09/12 11:29	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 14:42
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00947	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03	File ID:	007R0101.D
Sampled:	04/10/12 13:31	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 15:03
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.531	0.00954	0.0191	0.0286	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05	File ID:	008R0101.D
Sampled:	04/10/12 13:31	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 15:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.571	0.00953	0.0191	0.0286	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0546

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07	File ID:	009R0101.D
Sampled:	04/10/12 11:16	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 15:46
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 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

GW0590

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09	File ID:	010R0101.D
Sampled:	04/09/12 16:39	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 16:07
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.583	0.00942	0.0188	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11	File ID:	011R0101.D
Sampled:	04/09/12 14:26	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 16:29
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.101	0.00946	0.0189	0.0284	P

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13	File ID:	012R0101.D
Sampled:	04/09/12 11:55	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 16:50
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00951	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15RE1	File ID:	016R0101.D
Sampled:	04/10/12 14:20	Prepared:	05/15/12 08:06	Analyzed:	05/15/12 16:45
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.344	0.00936	0.0187	0.0281	H1

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17	File ID:	014R0101.D
Sampled:	04/10/12 12:04	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 17:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 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	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19	File ID:	015F0101.D
Sampled:	04/09/12 15:34	Prepared:	04/12/12 08:00	Analyzed:	04/12/12 17:53
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00954	0.0191	0.0286	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01	File ID:	006F0101.D
Sampled:	04/10/12 16:17	Prepared:	04/12/12 17:00	Analyzed:	04/13/12 19:01
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00937	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03RE1	File ID:	024R0101.D
Sampled:	04/11/12 10:19	Prepared:	04/12/12 17:00	Analyzed:	04/16/12 21:19
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2D12017 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.855	0.0467	0.0933	0.140	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05	File ID:	008R0101.D
Sampled:	04/11/12 12:36	Prepared:	04/12/12 17:00	Analyzed:	04/13/12 19:43
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 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

GW0596

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07	File ID:	009R0101.D
Sampled:	04/10/12 16:46	Prepared:	04/12/12 17:00	Analyzed:	04/13/12 20:04
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.312	0.00941	0.0188	0.0282	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09	File ID:	010R0101.D
Sampled:	04/11/12 14:16	Prepared:	04/12/12 17:00	Analyzed:	04/13/12 20:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00940	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01	File ID:	030R0101.D
Sampled:	04/11/12 15:31	Prepared:	04/12/12 17:00	Analyzed:	04/16/12 23:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00937	0.0187	0.0281	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03	File ID:	031R0101.D
Sampled:	04/12/12 15:10	Prepared:	04/12/12 17:00	Analyzed:	04/16/12 23:46
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00951	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05	File ID:	032R0101.D
Sampled:	04/12/12 12:50	Prepared:	04/12/12 17:00	Analyzed:	04/17/12 00:07
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00934	0.0187	0.0280	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07	File ID:	033R0101.D
Sampled:	04/12/12 10:30	Prepared:	04/12/12 17:00	Analyzed:	04/17/12 00:28
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00925	0.0185	0.0278	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09	File ID:	034F0101.D
Sampled:	04/12/12 15:50	Prepared:	04/12/12 17:00	Analyzed:	04/17/12 00:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.0957	0.00931	0.0186	0.0279	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11	File ID:	035R0101.D
Sampled:	04/12/12 10:55	Prepared:	04/12/12 17:00	Analyzed:	04/17/12 01:10
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D12017 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00930	0.0186	0.0279	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13	File ID:	005R0101.D
Sampled:	04/12/12 10:55	Prepared:	04/16/12 08:10	Analyzed:	04/16/12 14:37
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D13009 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00947	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15	File ID:	006R0101.D
Sampled:	04/12/12 13:39	Prepared:	04/16/12 08:10	Analyzed:	04/16/12 14:58
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D13009 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.199	0.00941	0.0188	0.0282	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D10102	Laboratory ID:	2D10102-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	0.4672	93.4	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5237	105	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.4844	96.9	3.62	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5562	111	6.02	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D11013	Laboratory ID:	2D11013-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	0.4842	96.8	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5937	119	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.4825	96.5	0.345	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5717	114	3.78	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D12017	Laboratory ID:	2D12017-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	0.5193	104	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5231	105	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.4999	100	3.81	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4956	99.1	5.40	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D13009	Laboratory ID:	2D13009-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	0.5076	102	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4901	98.0	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E15009	Laboratory ID:	2E15009-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	0.5508	110	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4760	95.2	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5464	109	0.800	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.4954	99.1	4.01	20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D10102 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/10/12 08:32	36.73	35.00
GW0501	1204038-03	04/10/12 08:32	37.07	35.00
GW0502	1204038-05	04/10/12 08:32	36.94	35.00
GW0503	1204038-07	04/10/12 08:32	36.65	35.00
GW0504	1204038-09	04/10/12 08:32	36.61	35.00
GW0520	1204038-11RE1	04/10/12 08:32	36.72	35.00
GW0521	1204038-13	04/10/12 08:32	36.78	35.00
GW0522	1204038-15	04/10/12 08:32	37.01	35.00
GW0523	1204038-17	04/10/12 08:32	36.85	35.00
Blank	2D10102-BLK1	04/10/12 08:32	35.00	35.00
LCS	2D10102-BS1	04/10/12 08:32	35.00	35.00
LCS Dup	2D10102-BSD1	04/10/12 08:32	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D11013 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/12/12 08:00	36.96	35.00
GW0544	1204054-03	04/12/12 08:00	36.69	35.00
GW0545	1204054-05	04/12/12 08:00	36.71	35.00
GW0546	1204054-07	04/12/12 08:00	37.06	35.00
GW0590	1204054-09	04/12/12 08:00	37.14	35.00
GW0591	1204054-11	04/12/12 08:00	36.99	35.00
GW0592	1204054-13	04/12/12 08:00	36.82	35.00
GW0598	1204054-17	04/12/12 08:00	37.17	35.00
GW0604	1204054-19	04/12/12 08:00	36.68	35.00
Blank	2D11013-BLK1	04/12/12 08:00	35.00	35.00
LCS	2D11013-BS1	04/12/12 08:00	35.00	35.00
LCS Dup	2D11013-BSD1	04/12/12 08:00	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D12017 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0505	1204063-01	04/12/12 17:00	37.37	35.00
GW0506	1204063-03RE1	04/12/12 17:00	37.51	35.00
GW0510	1204063-05	04/12/12 17:00	37.33	35.00
GW0596	1204063-07	04/12/12 17:00	37.20	35.00
GW0605	1204063-09	04/12/12 17:00	37.24	35.00
GW0527	1204074-01	04/12/12 17:00	37.35	35.00
GW0547	1204074-03	04/12/12 17:00	36.82	35.00
GW0548	1204074-05	04/12/12 17:00	37.46	35.00
GW0549	1204074-07	04/12/12 17:00	37.82	35.00
GW0576	1204074-09	04/12/12 17:00	37.61	35.00
GW0577	1204074-11	04/12/12 17:00	37.65	35.00
Blank	2D12017-BLK1	04/12/12 13:49	35.00	35.00
LCS	2D12017-BS1	04/12/12 13:49	35.00	35.00
LCS Dup	2D12017-BSD1	04/12/12 13:49	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D13009 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0578	1204074-13	04/16/12 08:10	36.96	35.00
GW0579	1204074-15	04/16/12 08:10	37.18	35.00
Blank	2D13009-BLK1	04/16/12 08:10	35.00	35.00
LCS	2D13009-BS1	04/16/12 08:10	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2E15009 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0597	1204054-15RE1	05/15/12 08:06	37.39	35.00
Blank	2E15009-BLK1	05/15/12 08:06	35.00	35.00
LCS	2E15009-BS1	05/15/12 08:06	35.00	35.00
LCS Dup	2E15009-BSD1	05/15/12 08:06	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D10102-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	04/10/12 08:32	Analyzed:	04/10/12 10:54
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D10102 Sequence: 2D10206 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_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D11013-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	04/12/12 08:00	Analyzed:	04/12/12 13:43
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D11013 Sequence: 2D10408 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_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D12017-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	04/12/12 13:49	Analyzed:	04/13/12 17:57
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 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_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D13009-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	04/16/12 08:10	Analyzed:	04/16/12 13:54
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D13009 Sequence: 2D10910 Calibration: 2108003 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_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BLK1	File ID:	008R0101.D
Sampled:		Prepared:	05/15/12 08:06	Analyzed:	05/15/12 13:58
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 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_049
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 STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10802	Instrument:	GL-ECD2
Calibration:	2108003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12D0357	EDB ICAL 1 (0.02ppb)	2D10802-CAL1	002R0101.D	04/13/12 10:24
12D0357	EDB ICAL 1 (0.02ppb)	2D10802-CAL1	002F0101.D	04/13/12 10:24
12D0358	EDB ICAL 2 (0.03ppb)	2D10802-CAL2	003F0101.D	04/13/12 10:45
12D0358	EDB ICAL 2 (0.03ppb)	2D10802-CAL2	003R0101.D	04/13/12 10:45
12D0359	EDB ICAL 3 (0.05ppb)	2D10802-CAL3	004F0101.D	04/13/12 11:06
12D0359	EDB ICAL 3 (0.05ppb)	2D10802-CAL3	004R0101.D	04/13/12 11:06
12D0360	EDB ICAL 4 (0.10ppb)	2D10802-CAL4	005R0101.D	04/13/12 11:27
12D0360	EDB ICAL 4 (0.10ppb)	2D10802-CAL4	005F0101.D	04/13/12 11:27
12D0361	EDB ICAL 5 (0.15ppb)	2D10802-CAL5	006R0101.D	04/13/12 11:49
12D0361	EDB ICAL 5 (0.15ppb)	2D10802-CAL5	006F0101.D	04/13/12 11:49
12D0362	EDB ICAL 6 (0.2ppb)	2D10802-CAL6	007F0101.D	04/13/12 12:10
12D0362	EDB ICAL 6 (0.2ppb)	2D10802-CAL6	007R0101.D	04/13/12 12:10
12D0363	EDB ICAL 7 (0.4ppb)	2D10802-CAL7	008F0101.D	04/13/12 12:31
12D0363	EDB ICAL 7 (0.4ppb)	2D10802-CAL7	008R0101.D	04/13/12 12:31
12D0364	EDB ICAL 8 (0.5ppb)	2D10802-CAL8	009F0101.D	04/13/12 12:53
12D0364	EDB ICAL 8 (0.5ppb)	2D10802-CAL8	009R0101.D	04/13/12 12:53
12D0365	EDB ICAL 9 (1.0ppb)	2D10802-CAL9	010R0101.D	04/13/12 13:14
12D0365	EDB ICAL 9 (1.0ppb)	2D10802-CAL9	010F0101.D	04/13/12 13:14

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
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_049
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_049	
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 DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12_10:24	4/13/12_13:14

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	234350	0.03	163033.3	0.05	113700	0.1	76040	0.15	64133.33	0.2	56065
1,2-Dibromoethane [2C]	0.02	50900	0.03	48733.33	0.05	39820	0.1	44150	0.15	44933.33	0.2	40870
1,2-Dibromo-3-chloropropane	0.02	195550	0.03	149766.7	0.05	118780	0.1	93640	0.15	85113.34	0.2	76330
1,2-Dibromo-3-chloropropane [2C]	0.02	416250	0.03	302966.7	0.05	213080	0.1	141420	0.15	117820	0.2	102315

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12 10:24	4/13/12 13:14

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	45147.5	0.5	42614	1	35537						
1,2-Dibromoethane [2C]	0.4	38130	0.5	36230	1	33802						
1,2-Dibromo-3-chloropropane	0.4	63437.5	0.5	59714	1	51387						
1,2-Dibromo-3-chloropropane [2C]	0.4	79512.5	0.5	74702	1	66819						

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2108003	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	4/13/12 10:24	4/13/12 13:14

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	92291.13	72.60867	2.397667	0.1579833		0.9999566	0.995	
1,2-Dibromoethane [2C]	41952.07	13.56968	2.269556	5.571845E-02	0.9964529		0.995	
1,2-Dibromo-3-chloropropane	99302.06	47.90027	8.479555	1.880337E-02		0.99965	0.995	
1,2-Dibromo-3-chloropropane [2C]	168320.6	71.59714	8.67	1.635293E-02	0.9991172		0.995	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
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

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	011F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10802	Injection Date:	04/13/12
Lab Sample ID:	2D10802-ICV1	Injection Time:	13:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4962	92291.13	42294		-0.8	20
1,2-Dibromoethane [2C]	L	0.5000	0.5064	41952.07	35958		1.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
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:	2D10206	Injection Date:	04/10/12
Lab Sample ID:	2D10206-CCV1	Injection Time:	10:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5237	108358.4	45820		4.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.5535	39065.98	34448		10.7	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	018F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2D10206	Injection Date:	04/10/12
Lab Sample ID:	2D10206-CCV2	Injection Time:	16:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4653	108358.4	42286		-6.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.5326	39065.98	33210		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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	020F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2D10206	Injection Date:	04/10/12
Lab Sample ID:	2D10206-CCV3	Injection Time:	16:57

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4691	108358.4	42516		-6.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.5401	39065.98	33654		8.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
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:	2D10408	Injection Date:	04/12/12
Lab Sample ID:	2D10408-CCV1	Injection Time:	12:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4843	108358.4	43444		-3.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5189	39065.98	32402		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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2031002
Lab File ID:	016F0101.D	Calibration Date:	01/27/12 13:49
Sequence:	2D10408	Injection Date:	04/12/12
Lab Sample ID:	2D10408-CCV2	Injection Time:	18:14

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4548	108358.4	41638		-9.0	20
1,2-Dibromoethane [2C]	L	0.5000	0.5483	39065.98	34142		9.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	002F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10811	Injection Date:	04/13/12
Lab Sample ID:	2D10811-CCV1	Injection Time:	17:36

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5062	92291.13	42938		1.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.4982	41952.07	35406		-0.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	016F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10811	Injection Date:	04/13/12
Lab Sample ID:	2D10811-CCV2	Injection Time:	22:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4791	92291.13	41246		-4.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.4633	41952.07	33062		-7.3	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	002F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10910	Injection Date:	04/16/12
Lab Sample ID:	2D10910-CCV1	Injection Time:	13:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5186	92291.13	43682		3.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.4672	41952.07	33328		-6.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	017F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10910	Injection Date:	04/16/12
Lab Sample ID:	2D10910-CCV2	Injection Time:	18:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4802	92291.13	41290		-4.0	20
1,2-Dibromoethane [2C]	L	0.5000	0.4838	41952.07	34442		-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

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	028F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10910	Injection Date:	04/16/12
Lab Sample ID:	2D10910-CCV3	Injection Time:	22:43

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4542	92291.13	39656		-9.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.4381	41952.07	31366		-12.4	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	036F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D10910	Injection Date:	04/17/12
Lab Sample ID:	2D10910-CCV4	Injection Time:	01:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4564	92291.13	39794		-8.7	20
1,2-Dibromoethane [2C]	L	0.5000	0.4427	41952.07	31680		-11.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	007F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E13708	Injection Date:	05/15/12
Lab Sample ID:	2E13708-CCV2	Injection Time:	13:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5578	92291.13	46088		11.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.4923	41952.07	35014		-1.5	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_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	018F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2E13708	Injection Date:	05/15/12
Lab Sample ID:	2E13708-CCV3	Injection Time:	17:28

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4186	92291.13	37382		-16.3	20
1,2-Dibromoethane [2C]	L	0.5000	0.4120	41952.07	29612		-17.6	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_049

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
GW0500	04/04/12 13:04	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 12:41	5.94	14.00	
GW0501	04/04/12 11:55	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 13:02	6.00	14.00	
GW0502	04/04/12 12:18	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 13:24	6.00	14.00	
GW0503	04/04/12 09:45	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 13:45	6.13	14.00	
GW0504	04/04/12 09:45	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 14:06	6.14	14.00	
GW0520	04/04/12 16:25	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 16:36	5.97	14.00	
GW0521	04/04/12 13:32	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 14:49	6.01	14.00	
GW0522	04/04/12 10:41	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 15:10	6.15	14.00	
GW0523	04/04/12 10:41	04/06/12 08:20	04/10/12 08:32	N/A	14.00	04/10/12 15:32	6.16	14.00	
GW0529	04/09/12 11:29	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 14:42	3.09	14.00	
GW0544	04/10/12 13:31	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 15:03	2.02	14.00	
GW0545	04/10/12 13:31	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 15:25	2.04	14.00	
GW0546	04/10/12 11:16	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 15:46	2.15	14.00	
GW0590	04/09/12 16:39	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 16:07	2.94	14.00	
GW0591	04/09/12 14:26	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 16:29	3.04	14.00	
GW0592	04/09/12 11:55	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 16:50	3.16	14.00	
GW0597	04/10/12 14:20	04/11/12 08:30	05/15/12 08:06	N/A	14.00	05/15/12 16:45	35.06	14.00	*
GW0598	04/10/12 12:04	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 17:32	2.19	14.00	
GW0604	04/09/12 15:34	04/11/12 08:30	04/12/12 08:00	N/A	14.00	04/12/12 17:53	3.05	14.00	
GW0505	04/10/12 16:17	04/12/12 08:20	04/12/12 17:00	N/A	14.00	04/13/12 19:01	3.07	14.00	
GW0506	04/11/12 10:19	04/12/12 08:20	04/12/12 17:00	N/A	14.00	04/16/12 21:19	5.42	14.00	
GW0510	04/11/12 12:36	04/12/12 08:20	04/12/12 17:00	N/A	14.00	04/13/12 19:43	2.25	14.00	
GW0596	04/10/12 16:46	04/12/12 08:20	04/12/12 17:00	N/A	14.00	04/13/12 20:04	3.10	14.00	
GW0605	04/11/12 14:16	04/12/12 08:20	04/12/12 17:00	N/A	14.00	04/13/12 20:25	2.21	14.00	

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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
GW0527	04/11/12 15:31	04/13/12 08:20	04/12/12 17:00	N/A	14.00	04/16/12 23:25	5.29	14.00	
GW0547	04/12/12 15:10	04/13/12 08:20	04/12/12 17:00	N/A	14.00	04/16/12 23:46	4.32	14.00	
GW0548	04/12/12 12:50	04/13/12 08:20	04/12/12 17:00	N/A	14.00	04/17/12 00:07	4.43	14.00	
GW0549	04/12/12 10:30	04/13/12 08:20	04/12/12 17:00	N/A	14.00	04/17/12 00:28	4.54	14.00	
GW0576	04/12/12 15:50	04/13/12 08:20	04/12/12 17:00	N/A	14.00	04/17/12 00:49	4.33	14.00	
GW0577	04/12/12 10:55	04/13/12 08:20	04/12/12 17:00	N/A	14.00	04/17/12 01:10	4.55	14.00	
GW0578	04/12/12 10:55	04/13/12 08:20	04/16/12 08:10	N/A	14.00	04/16/12 14:37	4.11	14.00	
GW0579	04/12/12 13:39	04/13/12 08:20	04/16/12 08:10	N/A	14.00	04/16/12 14:58	4.01	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D10102-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	04/10/12 11:15
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4672	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D10102-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	04/10/12 11:15
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5237	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D10102-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	04/10/12 11:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4844	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D10102-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	04/10/12 11:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D10102 Sequence: 2D10206 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5562	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D11013-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	04/12/12 14:00
Solids:		Preparation:	EDB	Dilution:	

Batch:	2D11013	Sequence:	2D10408	Calibration:	2031002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4842	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D11013-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	04/12/12 14:00
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5937	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D11013-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	04/12/12 14:21
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4825	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D11013-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	04/12/12 14:21
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D11013 Sequence: 2D10408 Calibration: 2031002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5717	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D12017-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	04/13/12 18:18
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5193	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D12017-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	04/13/12 18:18
Solids:		Preparation:	EDB	Dilution:	

Batch:	2D12017	Sequence:	2D10811	Calibration:	2108003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5231	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D12017-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	04/13/12 18:40
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4999	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D12017-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	04/13/12 18:40
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D12017 Sequence: 2D10811 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4956	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D13009-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	04/16/12 14:15
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D13009 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5076	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D13009-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	04/16/12 14:15
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D13009 Sequence: 2D10910 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4901	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BS1	File ID:	009F0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:15
Solids:		Preparation:	EDB	Dilution:	
Batch:	2E15009	Sequence:	2E13708	Calibration:	2108003
Instrument:	GL-ECD2				

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5508	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E15009-BS1	File ID:	009R0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:15
Solids:		Preparation:	EDB	Dilution:	

Batch:	2E15009	Sequence:	2E13708	Calibration:	2108003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4760	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_049
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E15009-BSD1	File ID:	010F0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:36
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E15009 Sequence: 2E13708 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5464	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E15009-BSD1	File ID:	010R0101.D
Sampled:		Prepared:		Analyzed:	05/15/12 14:36
Solids:		Preparation:	EDB	Dilution:	

Batch:	2E15009	Sequence:	2E13708	Calibration:	2108003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4954	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0520

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204038-11RE1

Date(s) Analyzed: 04/10/2012 04/10/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.40	2.38	2.44	1.16	
	2	2.27	2.25	2.31	1.31	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0521

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204038-13

Date(s) Analyzed: 04/10/2012 04/10/2012

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	0.166	
	2	2.27	2.25	2.31	0.218	27

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0522

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204038-15 Date(s) Analyzed: 04/10/2012 04/10/2012

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	0.198	
	2	2.27	2.25	2.31	0.223	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0523

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204038-17

Date(s) Analyzed: 04/10/2012 04/10/2012

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	0.197	
	2	2.27	2.25	2.31	0.262	28

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D10102-BS1 Date(s) Analyzed: 04/10/2012 04/10/2012

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	0.4672	
	2	2.27	2.25	2.31	0.5237	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D10102-BSD1

Date(s) Analyzed: 04/10/2012 04/10/2012

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	0.4844	
	2	2.27	2.25	2.31	0.5562	14

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0544

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204054-03 Date(s) Analyzed: 04/12/2012 04/12/2012

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	0.427	
	2	2.27	2.25	2.31	0.531	22

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0545

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204054-05

Date(s) Analyzed: 04/12/2012 04/12/2012

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	0.468	
	2	2.27	2.25	2.31	0.571	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0590

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204054-09 Date(s) Analyzed: 04/12/2012 04/12/2012

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	2.39	2.38	2.44	0.396	
	2	2.26	2.25	2.31	0.583	38

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0591

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204054-11

Date(s) Analyzed: 04/12/2012 04/12/2012

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	0.0586	
	2	2.27	2.25	2.31	0.101	53

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D11013-BS1 Date(s) Analyzed: 04/12/2012 04/12/2012

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	0.4842	
	2	2.27	2.25	2.31	0.5937	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D11013-BSD1

Date(s) Analyzed: 04/12/2012 04/12/2012

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	0.4825	
	2	2.27	2.25	2.31	0.5717	17

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0506

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204063-03RE1

Date(s) Analyzed: 04/16/2012 04/16/2012

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	2.37	2.43	0.833	
	2	2.28	2.24	2.30	0.855	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0596

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204063-07

Date(s) Analyzed: 04/13/2012 04/13/2012

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	2.37	2.43	0.311	
	2	2.27	2.24	2.30	0.312	0

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0576

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204074-09 Date(s) Analyzed: 04/17/2012 04/17/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.41	2.37	2.43	0.0957	
	2	2.28	2.24	2.30	0.0924	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D12017-BS1 Date(s) Analyzed: 04/13/2012 04/13/2012

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	2.37	2.43	0.5193	
	2	2.27	2.24	2.30	0.5231	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D12017-BSD1 Date(s) Analyzed: 04/13/2012 04/13/2012

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	2.37	2.43	0.4999	
	2	2.27	2.24	2.30	0.4956	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0579

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204074-15

Date(s) Analyzed: 04/16/2012 04/16/2012

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	2.37	2.43	0.189	
	2	2.28	2.24	2.30	0.199	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D13009-BS1 Date(s) Analyzed: 04/16/2012 04/16/2012

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	2.37	2.43	0.5076	
	2	2.28	2.24	2.30	0.4901	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0597

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204054-15RE1

Date(s) Analyzed: 05/15/2012 05/15/2012

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	2.34	2.37	2.43	0.339	
	2	2.21	2.24	2.30	0.344	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E15009-BS1 Date(s) Analyzed: 05/15/2012 05/15/2012

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	2.34	2.37	2.43	0.5508	
	2	2.21	2.24	2.30	0.4760	15

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E15009-BSD1

Date(s) Analyzed: 05/15/2012 05/15/2012

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	2.34	2.37	2.43	0.5464	
	2	2.22	2.24	2.30	0.4954	10

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01
Sampled:	04/04/12 13:04	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44300	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:11
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:11
7439-95-4	Magnesium	5460	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:11
7440-09-7	Potassium	2260	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:11
7440-23-5	Sodium	22600	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:11

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-02
Sampled:	04/04/12 13:04	Received:	04/06/12 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	2D17019	04/17/12 15:18
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 15:18

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03
Sampled:	04/04/12 11:55	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33800	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:16
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:16
7439-95-4	Magnesium	7730	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:16
7440-09-7	Potassium	6320	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:16
7440-23-5	Sodium	34700	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:16

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-04
Sampled:	04/04/12 11:55	Received:	04/06/12 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	2D17019	04/17/12 15:22
7439-96-5	Manganese (dissolved)	21.5	3.00	6.00	15.0	1		SW6010B	2D17019	04/17/12 15:22

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05
Sampled:	04/04/12 12:18	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	48300	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:20
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:20
7439-95-4	Magnesium	5410	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:20
7440-09-7	Potassium	3520	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:20
7440-23-5	Sodium	28400	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:20

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-06
Sampled:	04/04/12 12:18	Received:	04/06/12 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	2D17019	04/17/12 15:27
7439-96-5	Manganese (dissolved)	6.99	3.00	6.00	15.0	1	J	SW6010B	2D17019	04/17/12 15:27

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07
Sampled:	04/04/12 09:45	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36200	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:25
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:25
7439-95-4	Magnesium	7170	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:25
7440-09-7	Potassium	3640	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:25
7440-23-5	Sodium	22400	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:25

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-08
Sampled:	04/04/12 09:45	Received:	04/06/12 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	2D17019	04/17/12 15:32
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 15:32

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09
Sampled:	04/04/12 09:45	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37700	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:30
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:30
7439-95-4	Magnesium	7420	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:30
7440-09-7	Potassium	3790	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:30
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:30

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-10
Sampled:	04/04/12 09:45	Received:	04/06/12 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	2D17019	04/17/12 15:36
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 15:36

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11
Sampled:	04/04/12 16:25	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	43600	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:34
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:34
7439-95-4	Magnesium	6200	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:34
7440-09-7	Potassium	2360	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:34
7440-23-5	Sodium	25900	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:34

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-12
Sampled:	04/04/12 16:25	Received:	04/06/12 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)	33.3	30.0	60.0	100	1	J	SW6010B	2D17019	04/17/12 15:41
7439-96-5	Manganese (dissolved)	120	3.00	6.00	15.0	1		SW6010B	2D17019	04/17/12 15:41

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13
Sampled:	04/04/12 13:32	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38900	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:39
7439-95-4	Magnesium	5910	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:39
7440-09-7	Potassium	2300	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:39
7440-23-5	Sodium	24200	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:39

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-14
Sampled:	04/04/12 13:32	Received:	04/06/12 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)	148	30.0	60.0	100	1		SW6010B	2D17019	04/17/12 15:59
7439-96-5	Manganese (dissolved)	748	3.00	6.00	15.0	1		SW6010B	2D17019	04/17/12 15:59

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15
Sampled:	04/04/12 10:41	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42600	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:44
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:44
7439-95-4	Magnesium	5810	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:44
7440-09-7	Potassium	2250	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:44
7440-23-5	Sodium	24600	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:44

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-16
Sampled:	04/04/12 10:41	Received:	04/06/12 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	2D17019	04/17/12 16:04
7439-96-5	Manganese (dissolved)	115	3.00	6.00	15.0	1		SW6010B	2D17019	04/17/12 16:04

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17
Sampled:	04/04/12 10:41	Received:	04/06/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	43300	1000	2000	5000	1		SW6010B	2D16007	04/17/12 12:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D16007	04/17/12 12:48
7439-95-4	Magnesium	5930	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:48
7440-09-7	Potassium	2310	1000	3000	5000	1	J	SW6010B	2D16007	04/17/12 12:48
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2D16007	04/17/12 12:48

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-18
Sampled:	04/04/12 10:41	Received:	04/06/12 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	2D17019	04/17/12 16:08
7439-96-5	Manganese (dissolved)	115	3.00	6.00	15.0	1		SW6010B	2D17019	04/17/12 16:08

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01
Sampled:	04/09/12 11:29	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	83800	1000	2000	5000	1		SW6010B	2D18011	04/19/12 10:43
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 10:43
7439-95-4	Magnesium	10700	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:43
7440-09-7	Potassium	3330	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 10:43
7440-23-5	Sodium	31000	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:43

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-02
Sampled:	04/09/12 11:29	Received:	04/11/12 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	2D17019	04/17/12 16:13
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 16:13

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03
Sampled:	04/10/12 13:31	Received:	04/11/12 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	2D18011	04/19/12 10:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 10:48
7439-95-4	Magnesium	7830	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:48
7440-09-7	Potassium	3090	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 10:48
7440-23-5	Sodium	27300	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:48

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-04
Sampled:	04/10/12 13:31	Received:	04/11/12 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	2D17019	04/17/12 16:17
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 16:17

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05
Sampled:	04/10/12 13:31	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	61300	1000	2000	5000	1		SW6010B	2D18011	04/19/12 10:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 10:52
7439-95-4	Magnesium	7820	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:52
7440-09-7	Potassium	3080	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 10:52
7440-23-5	Sodium	27600	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:52

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-06
Sampled:	04/10/12 13:31	Received:	04/11/12 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	2D17019	04/17/12 16:22
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 16:22

ANALYSIS DATA SHEET

GW0546

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-07
Sampled:	04/10/12 11:16	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47000	1000	2000	5000	1		SW6010B	2D18011	04/19/12 10:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 10:57
7439-95-4	Magnesium	6010	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:57
7440-09-7	Potassium	2520	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 10:57
7440-23-5	Sodium	24200	1000	3000	5000	1		SW6010B	2D18011	04/19/12 10:57

ANALYSIS DATA SHEET

GW0546

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-08
Sampled:	04/10/12 11:16	Received:	04/11/12 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	2D17019	04/17/12 16:27
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 16:27

ANALYSIS DATA SHEET

GW0590

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/09/12 16:39
% Solids: 0.00

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 1204054-09
Received: 04/11/12 08:30

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	59600	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:02
7439-95-4	Magnesium	8280	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:02
7440-09-7	Potassium	2710	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:02
7440-23-5	Sodium	27400	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:02

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-10
Sampled:	04/09/12 16:39	Received:	04/11/12 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)	502	30.0	60.0	100	1		SW6010B	2D17019	04/17/12 16:31
7439-96-5	Manganese (dissolved)	922	3.00	6.00	15.0	1		SW6010B	2D17019	04/17/12 16:31

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11
Sampled:	04/09/12 14:26	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	86800	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:06
7439-95-4	Magnesium	11400	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:06
7440-09-7	Potassium	3150	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:06
7440-23-5	Sodium	32100	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:06

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-12
Sampled:	04/09/12 14:26	Received:	04/11/12 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)	142	30.0	60.0	100	1		SW6010B	2D17019	04/17/12 16:36
7439-96-5	Manganese (dissolved)	497	3.00	6.00	15.0	1		SW6010B	2D17019	04/17/12 16:36

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13
Sampled:	04/09/12 11:55	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35800	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:11
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:11
7439-95-4	Magnesium	4680	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:11
7440-09-7	Potassium	2120	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:11
7440-23-5	Sodium	22100	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:11

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-14
Sampled:	04/09/12 11:55	Received:	04/11/12 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	2D17019	04/17/12 16:41
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D17019	04/17/12 16:41

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15
Sampled:	04/10/12 14:20	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45900	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:16
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:16
7439-95-4	Magnesium	5860	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:16
7440-09-7	Potassium	2330	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:16
7440-23-5	Sodium	23600	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:16

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-16
Sampled:	04/10/12 14:20	Received:	04/11/12 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	2D19009	04/19/12 17:22
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 17:22

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17
Sampled:	04/10/12 12:04	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36800	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:20
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:20
7439-95-4	Magnesium	4830	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:20
7440-09-7	Potassium	2090	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:20
7440-23-5	Sodium	22400	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:20

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-18
Sampled:	04/10/12 12:04	Received:	04/11/12 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	2D19009	04/19/12 17:27
7439-96-5	Manganese (dissolved)	4.69	3.00	6.00	15.0	1	J	SW6010B	2D19009	04/19/12 17:27

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19
Sampled:	04/09/12 15:34	Received:	04/11/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42900	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:25
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:25
7439-95-4	Magnesium	5890	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:25
7440-09-7	Potassium	2340	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:25
7440-23-5	Sodium	21900	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:25

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-20
Sampled:	04/09/12 15:34	Received:	04/11/12 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	2D19009	04/19/12 17:32
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 17:32

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01
Sampled:	04/10/12 16:17	Received:	04/12/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	55600	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:43
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:43
7439-95-4	Magnesium	8160	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:43
7440-09-7	Potassium	2590	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:43
7440-23-5	Sodium	24200	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:43

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-02
Sampled:	04/10/12 16:17	Received:	04/12/12 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	2D19009	04/19/12 17:36
7439-96-5	Manganese (dissolved)	56.5	3.00	6.00	15.0	1		SW6010B	2D19009	04/19/12 17:36

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03
Sampled:	04/11/12 10:19	Received:	04/12/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	55000	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:48
7439-95-4	Magnesium	7970	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:48
7440-09-7	Potassium	2700	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:48
7440-23-5	Sodium	25400	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:48

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-04
Sampled:	04/11/12 10:19	Received:	04/12/12 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)	330	30.0	60.0	100	1		SW6010B	2D19009	04/19/12 17:41
7439-96-5	Manganese (dissolved)	325	3.00	6.00	15.0	1		SW6010B	2D19009	04/19/12 17:41

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05
Sampled:	04/11/12 12:36	Received:	04/12/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47000	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:52
7439-95-4	Magnesium	6300	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:52
7440-09-7	Potassium	2350	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:52
7440-23-5	Sodium	26200	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:52

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-06
Sampled:	04/11/12 12:36	Received:	04/12/12 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	2D19009	04/19/12 17:46
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 17:46

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07
Sampled:	04/10/12 16:46	Received:	04/12/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47700	1000	2000	5000	1		SW6010B	2D18011	04/19/12 11:57
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 11:57
7439-95-4	Magnesium	6190	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:57
7440-09-7	Potassium	2320	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 11:57
7440-23-5	Sodium	24400	1000	3000	5000	1		SW6010B	2D18011	04/19/12 11:57

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-08
Sampled:	04/10/12 16:46	Received:	04/12/12 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	2D19009	04/19/12 17:51
7439-96-5	Manganese (dissolved)	5.69	3.00	6.00	15.0	1	J	SW6010B	2D19009	04/19/12 17:51

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09
Sampled:	04/11/12 14:16	Received:	04/12/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37800	1000	2000	5000	1		SW6010B	2D18011	04/19/12 12:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18011	04/19/12 12:02
7439-95-4	Magnesium	4900	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 12:02
7440-09-7	Potassium	2170	1000	3000	5000	1	J	SW6010B	2D18011	04/19/12 12:02
7440-23-5	Sodium	22500	1000	3000	5000	1		SW6010B	2D18011	04/19/12 12:02

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-10
Sampled:	04/11/12 14:16	Received:	04/12/12 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	2D19009	04/19/12 17:55
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 17:55

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01
Sampled:	04/11/12 15:31	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	95400	1000	2000	5000	1		SW6010B	2D18012	04/19/12 13:34
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 13:34
7439-95-4	Magnesium	25000	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:34
7440-09-7	Potassium	4070	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 13:34
7440-23-5	Sodium	44800	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:34

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-02
Sampled:	04/12/12 15:31	Received:	04/13/12 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)	30.8	30.0	60.0	100	1	J	SW6010B	2D19009	04/19/12 18:13
7439-96-5	Manganese (dissolved)	306	3.00	6.00	15.0	1		SW6010B	2D19009	04/19/12 18:13

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03
Sampled:	04/12/12 15:10	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42200	1000	2000	5000	1		SW6010B	2D18012	04/19/12 13:38
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 13:38
7439-95-4	Magnesium	5990	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:38
7440-09-7	Potassium	2310	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 13:38
7440-23-5	Sodium	24000	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:38

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-04
Sampled:	04/12/12 15:10	Received:	04/13/12 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	2D19009	04/19/12 18:18
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 18:18

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-05
Sampled:	04/12/12 12:50	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	32900	1000	2000	5000	1		SW6010B	2D18012	04/19/12 13:43
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 13:43
7439-95-4	Magnesium	4790	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 13:43
7440-09-7	Potassium	2040	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 13:43
7440-23-5	Sodium	22500	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:43

ANALYSIS DATA SHEET

GW0548

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-06
Sampled:	04/12/12 12:50	Received:	04/13/12 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	2D19009	04/19/12 18:22
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 18:22

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07
Sampled:	04/12/12 10:30	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	30200	1000	2000	5000	1		SW6010B	2D18012	04/19/12 13:48
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 13:48
7439-95-4	Magnesium	4510	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 13:48
7440-09-7	Potassium	1910	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 13:48
7440-23-5	Sodium	21600	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:48

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-08
Sampled:	04/12/12 10:30	Received:	04/13/12 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	2D19009	04/19/12 18:27
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 18:27

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09
Sampled:	04/12/12 15:50	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	61100	1000	2000	5000	1		SW6010B	2D18012	04/19/12 13:52
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 13:52
7439-95-4	Magnesium	8440	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:52
7440-09-7	Potassium	3010	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 13:52
7440-23-5	Sodium	30500	1000	3000	5000	1		SW6010B	2D18012	04/19/12 13:52

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-10
Sampled:	04/12/12 15:50	Received:	04/13/12 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	2D19009	04/19/12 18:32
7439-96-5	Manganese (dissolved)	71.4	3.00	6.00	15.0	1		SW6010B	2D19009	04/19/12 18:32

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11
Sampled:	04/12/12 10:55	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39500	1000	2000	5000	1		SW6010B	2D18012	04/19/12 14:11
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 14:11
7439-95-4	Magnesium	5120	1000	3000	5000	1		SW6010B	2D18012	04/19/12 14:11
7440-09-7	Potassium	2230	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 14:11
7440-23-5	Sodium	23100	1000	3000	5000	1		SW6010B	2D18012	04/19/12 14:11

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-12
Sampled:	04/12/12 10:55	Received:	04/13/12 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	2D19009	04/19/12 18:36
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 18:36

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13
Sampled:	04/12/12 10:55	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39200	1000	2000	5000	1		SW6010B	2D18012	04/19/12 14:16
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 14:16
7439-95-4	Magnesium	4990	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 14:16
7440-09-7	Potassium	2190	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 14:16
7440-23-5	Sodium	22200	1000	3000	5000	1		SW6010B	2D18012	04/19/12 14:16

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-14
Sampled:	04/12/12 10:55	Received:	04/13/12 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	2D19009	04/19/12 18:41
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2D19009	04/19/12 18:41

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15
Sampled:	04/12/12 13:39	Received:	04/13/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	55900	1000	2000	5000	1		SW6010B	2D18012	04/19/12 14:21
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2D18012	04/19/12 14:21
7439-95-4	Magnesium	7220	1000	3000	5000	1		SW6010B	2D18012	04/19/12 14:21
7440-09-7	Potassium	2780	1000	3000	5000	1	J	SW6010B	2D18012	04/19/12 14:21
7440-23-5	Sodium	26200	1000	3000	5000	1		SW6010B	2D18012	04/19/12 14:21

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-16
Sampled:	04/12/12 13:39	Received:	04/13/12 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	2D19009	04/19/12 18:46
7439-96-5	Manganese (dissolved)	22.2	3.00	6.00	15.0	1		SW6010B	2D19009	04/19/12 18:46

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_049
Project: Kirtland AFB 2011
Calibration: 2110001
Sequence: 2D11022

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D11022-ICV1	Calcium	50000	51470	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10640	106	ug/L	+/- 10.00%
	Lead	1000	955.0	95.5	ug/L	+/- 10.00%
	Magnesium	50000	50460	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1014	101	ug/L	+/- 10.00%
	Potassium	10000	9919	99.2	ug/L	+/- 10.00%
	Sodium	50000	50450	101	ug/L	+/- 10.00%
2D11022-CCV1	Calcium	50000	50200	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10510	105	ug/L	+/- 10.00%
	Lead	1000	954.7	95.5	ug/L	+/- 10.00%
	Magnesium	50000	49690	99.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	999.4	99.9	ug/L	+/- 10.00%
	Potassium	10000	9750	97.5	ug/L	+/- 10.00%
	Sodium	50000	50160	100	ug/L	+/- 10.00%
2D11022-CCV2	Calcium	50000	51610	103	ug/L	+/- 10.00%
	Lead	1000	933.8	93.4	ug/L	+/- 10.00%
	Magnesium	50000	50490	101	ug/L	+/- 10.00%
	Potassium	10000	9866	98.7	ug/L	+/- 10.00%
	Sodium	50000	49320	98.6	ug/L	+/- 10.00%
2D11022-CCV3	Calcium	50000	51260	103	ug/L	+/- 10.00%
	Lead	1000	944.5	94.5	ug/L	+/- 10.00%
	Magnesium	50000	51000	102	ug/L	+/- 10.00%
	Potassium	10000	9959	99.6	ug/L	+/- 10.00%
	Sodium	50000	51140	102	ug/L	+/- 10.00%
2D11022-CCV4	Iron (dissolved)	10000	10490	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	990.4	99.0	ug/L	+/- 10.00%
2D11022-CCV5	Iron (dissolved)	10000	10060	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	980.1	98.0	ug/L	+/- 10.00%
2D11022-CCV6	Iron (dissolved)	10000	10330	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1030	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_049
Project: Kirtland AFB 2011
Calibration: 2111005
Sequence: 2D11102

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D11102-ICV1	Calcium	50000	52960	106	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10880	109	ug/L	+/- 10.00%
	Lead	1000	953.1	95.3	ug/L	+/- 10.00%
	Magnesium	50000	51040	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1026	103	ug/L	+/- 10.00%
	Potassium	10000	9973	99.7	ug/L	+/- 10.00%
	Sodium	50000	50160	100	ug/L	+/- 10.00%
2D11102-CCV1	Calcium	50000	52970	106	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10860	109	ug/L	+/- 10.00%
	Lead	1000	964.6	96.5	ug/L	+/- 10.00%
	Magnesium	50000	50960	102	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1026	103	ug/L	+/- 10.00%
	Potassium	10000	10040	100	ug/L	+/- 10.00%
	Sodium	50000	50220	100	ug/L	+/- 10.00%
2D11102-CCV2	Calcium	50000	51780	104	ug/L	+/- 10.00%
	Lead	1000	964.2	96.4	ug/L	+/- 10.00%
	Magnesium	50000	50550	101	ug/L	+/- 10.00%
	Potassium	10000	9972	99.7	ug/L	+/- 10.00%
	Sodium	50000	50590	101	ug/L	+/- 10.00%
2D11102-CCV3	Calcium	50000	54910	110	ug/L	+/- 10.00%
	Lead	1000	940.4	94.0	ug/L	+/- 10.00%
	Magnesium	50000	51810	104	ug/L	+/- 10.00%
	Potassium	10000	10220	102	ug/L	+/- 10.00%
	Sodium	50000	49510	99.0	ug/L	+/- 10.00%
2D11102-CCV4	Calcium	50000	50980	102	ug/L	+/- 10.00%
	Lead	1000	1013	101	ug/L	+/- 10.00%
	Magnesium	50000	50580	101	ug/L	+/- 10.00%
	Potassium	10000	9982	99.8	ug/L	+/- 10.00%
	Sodium	50000	52430	105	ug/L	+/- 10.00%
2D11102-CCV5	Calcium	50000	49520	99.0	ug/L	+/- 10.00%
	Lead	1000	1038	104	ug/L	+/- 10.00%
	Magnesium	50000	50190	100	ug/L	+/- 10.00%
	Potassium	10000	9877	98.8	ug/L	+/- 10.00%
	Sodium	50000	53150	106	ug/L	+/- 10.00%
2D11102-CCV6	Iron (dissolved)	10000	10660	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1070	107	ug/L	+/- 10.00%
2D11102-CCV7	Iron (dissolved)	10000	10080	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1053	105	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_049
Project: Kirtland AFB 2011
Calibration: 2111005
Sequence: 2D11102

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D11102-CCV8	Iron (dissolved)	10000	10540	105	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1058	106	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2110001

Sequence: 2D11022

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D11022-CRL1	Calcium	2000	2100	105	ug/L	80 - 120
	Iron (dissolved)	60.00	65.58	109	ug/L	80 - 120
	Lead	3.000	2.686	89.5	ug/L	80 - 120
	Magnesium	3000	3100	103	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.267	104	ug/L	80 - 120
	Potassium	3000	2989	99.6	ug/L	80 - 120
	Sodium	3000	3039	101	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2111005

Sequence: 2D11102

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D11102-CRL1	Calcium	2000	2164	108	ug/L	80 - 120
	Iron (dissolved)	60.00	65.80	110	ug/L	80 - 120
	Lead	3.000	2.727	90.9	ug/L	80 - 120
	Magnesium	3000	3126	104	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.352	106	ug/L	80 - 120
	Potassium	3000	2999	100	ug/L	80 - 120
	Sodium	3000	3036	101	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2D11022
Calibration: 2110001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D11022-ICB1	Calcium	1.450	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	3.970	30.0	100	ug/L	U	SW6010B
	Lead	-0.3917	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.04000	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.02103	3.00	15.0	ug/L	U	SW6010B
	Potassium	-1.400	1000	5000	ug/L	U	SW6010B
	Sodium	9.380	1000	5000	ug/L	U	SW6010B
2D11022-CCB1	Calcium	4.91	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.184	30.0	100	ug/L	U	SW6010B
	Lead	-0.581	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.58	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.126	3.00	15.0	ug/L	U	SW6010B
	Potassium	23.7	1000	5000	ug/L	U	SW6010B
	Sodium	11.7	1000	5000	ug/L	U	SW6010B
2D11022-CCB2	Calcium	28.1	1000	5000	ug/L	U	SW6010B
	Lead	-0.604	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.630	1000	5000	ug/L	U	SW6010B
	Potassium	45.4	1000	5000	ug/L	U	SW6010B
	Sodium	13.7	1000	5000	ug/L	U	SW6010B
2D16007-BLK1	Calcium	25.7	1000	5000	ug/L	U	SW6010B
	Lead	-0.425	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.88	1000	5000	ug/L	U	SW6010B
	Potassium	44.6	1000	5000	ug/L	U	SW6010B
	Sodium	17.1	1000	5000	ug/L	U	SW6010B
2D11022-CCB3	Calcium	6.51	1000	5000	ug/L	U	SW6010B
	Lead	-0.946	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.130	1000	5000	ug/L	U	SW6010B
	Potassium	47.0	1000	5000	ug/L	U	SW6010B
	Sodium	561	1000	5000	ug/L	U	SW6010B
2D11022-CCB4	Iron (dissolved)	1.29	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0957	3.00	15.0	ug/L	U	SW6010B
2D17019-BLK1	Iron (dissolved)	-0.589	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0665	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2D11022
Calibration: 2110001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D11022-CCB5	Iron (dissolved)	-1.27	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0846	3.00	15.0	ug/L	U	SW6010B
2D11022-CCB6	Iron (dissolved)	-2.14	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0402	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2D11102
Calibration: 2111005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D11102-ICB1	Calcium	-0.6800	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.567	30.0	100	ug/L	U	SW6010B
	Lead	-0.6780	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.680	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.01552	3.00	15.0	ug/L	U	SW6010B
	Potassium	-26.53	1000	5000	ug/L	U	SW6010B
	Sodium	4.990	1000	5000	ug/L	U	SW6010B
2D11102-CCB1	Calcium	6.62	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.752	30.0	100	ug/L	U	SW6010B
	Lead	-0.133	1.50	3.00	ug/L	U	SW6010B
	Magnesium	9.89	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0777	3.00	15.0	ug/L	U	SW6010B
	Potassium	-17.5	1000	5000	ug/L	U	SW6010B
	Sodium	9.53	1000	5000	ug/L	U	SW6010B
2D18011-BLK1	Calcium	9.13	1000	5000	ug/L	U	SW6010B
	Lead	-0.227	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-2.33	1000	5000	ug/L	U	SW6010B
	Potassium	-2.41	1000	5000	ug/L	U	SW6010B
	Sodium	4.44	1000	5000	ug/L	U	SW6010B
2D11102-CCB2	Calcium	6.86	1000	5000	ug/L	U	SW6010B
	Lead	0.190	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.46	1000	5000	ug/L	U	SW6010B
	Potassium	-23.0	1000	5000	ug/L	U	SW6010B
	Sodium	3.99	1000	5000	ug/L	U	SW6010B
2D11102-CCB3	Calcium	11.1	1000	5000	ug/L	U	SW6010B
	Lead	-0.408	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.98	1000	5000	ug/L	U	SW6010B
	Potassium	-17.7	1000	5000	ug/L	U	SW6010B
	Sodium	11.2	1000	5000	ug/L	U	SW6010B
2D18012-BLK1	Calcium	6.63	1000	5000	ug/L	U	SW6010B
	Lead	-0.684	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.51	1000	5000	ug/L	U	SW6010B
	Potassium	-9.43	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2D11102
Calibration: 2111005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D18012-BLK1	Sodium	-0.790	1000	5000	ug/L	U	SW6010B
2D11102-CCB4	Calcium	0.570	1000	5000	ug/L	U	SW6010B
	Lead	-0.231	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.82	1000	5000	ug/L	U	SW6010B
	Potassium	-5.46	1000	5000	ug/L	U	SW6010B
	Sodium	1.80	1000	5000	ug/L	U	SW6010B
2D11102-CCB5	Calcium	0.970	1000	5000	ug/L	U	SW6010B
	Lead	-0.0560	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.96	1000	5000	ug/L	U	SW6010B
	Potassium	-21.0	1000	5000	ug/L	U	SW6010B
	Sodium	-4.16	1000	5000	ug/L	U	SW6010B
2D11102-CCB6	Iron (dissolved)	-2.18	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.161	3.00	15.0	ug/L	U	SW6010B
2D19009-BLK1	Iron (dissolved)	-3.78	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0647	3.00	15.0	ug/L	U	SW6010B
2D11102-CCB7	Iron (dissolved)	-2.37	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0467	3.00	15.0	ug/L	U	SW6010B
2D11102-CCB8	Iron (dissolved)	-2.20	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0365	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2110001
Sequence: 2D11022

Lab Sample ID	Analyte	True	Found	%R	Units
2D11022-IFA1	Calcium	500000	492,770.00	98.6	ug/L
	Iron (dissolved)	200000	207,680.00	104	ug/L
	Lead		-0.28		ug/L
	Magnesium	500000	490,720.00	98.1	ug/L
	Manganese (dissolved)		-5.03		ug/L
	Potassium		4.50		ug/L
	Sodium		107.67		ug/L
2D11022-IFB1	Calcium	500000	489,820.00	98.0	ug/L
	Iron (dissolved)	200000	208,880.00	104	ug/L
	Lead	50.00	44.96	89.9	ug/L
	Magnesium	500000	492,750.00	98.6	ug/L
	Manganese (dissolved)	500.0	473.39	94.7	ug/L
	Potassium		23.42		ug/L
	Sodium		42.35		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2111005
Sequence: 2D11102

Lab Sample ID	Analyte	True	Found	%R	Units
2D11102-IFA1	Calcium	500000	499,560.00	99.9	ug/L
	Iron (dissolved)	200000	209,500.00	105	ug/L
	Lead		-1.03		ug/L
	Magnesium	500000	496,550.00	99.3	ug/L
	Manganese (dissolved)		-5.02		ug/L
	Potassium		-38.29		ug/L
	Sodium		27.90		ug/L
2D11102-IFB1	Calcium	500000	507,080.00	101	ug/L
	Iron (dissolved)	200000	211,110.00	106	ug/L
	Lead	50.00	42.11	84.2	ug/L
	Magnesium	500000	496,080.00	99.2	ug/L
	Manganese (dissolved)	500.0	479.82	96.0	ug/L
	Potassium		-33.94		ug/L
	Sodium		50.14		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0592

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D17019

% Solids:

Source Sample Name: **1204054-14**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1028	103		80 - 120
Manganese (dissolved)	500.0	ND	493.3	98.7		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1018	102	0.919		20	80 - 120
Manganese (dissolved)	500.0	478.0	95.6	3.15		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0579

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D19009

% Solids:

Source Sample Name: **1204074-16**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1064	106		80 - 120
Manganese (dissolved)	500.0	22.24	540.4	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	1081	108	1.66		20	80 - 120
Manganese (dissolved)	500.0	551.8	106	2.08		20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16007	Laboratory ID:	2D16007-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	5253	105	80 - 120
Lead	250.0	241.4	96.5	80 - 120
Magnesium	5000	5084	102	80 - 120
Potassium	5000	4920	98.4	80 - 120
Sodium	5000	4975	99.5	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D17019	Laboratory ID:	2D17019-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	1038	104	80 - 120
Manganese (dissolved)	500.0	501.3	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D18011	Laboratory ID:	2D18011-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	5135	103	80 - 120
Lead	250.0	239.4	95.8	80 - 120
Magnesium	5000	4928	98.6	80 - 120
Potassium	5000	4764	95.3	80 - 120
Sodium	5000	4868	97.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D18012	Laboratory ID:	2D18012-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	5668	113	80 - 120
Lead	250.0	243.6	97.4	80 - 120
Magnesium	5000	5286	106	80 - 120
Potassium	5000	5106	102	80 - 120
Sodium	5000	4969	99.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D19009	Laboratory ID:	2D19009-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	1064	106	80 - 120
Manganese (dissolved)	500.0	524.3	105	80 - 120

SERIAL DILUTION

SW6010B

GW0592

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2D11022
Preparation: MET_3005A

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D17019-DUP1
Lab Source ID: 1204054-14
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0579

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2D11102
Preparation: MET_3005A

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D19009-DUP1
Lab Source ID: 1204074-16
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)	22.243	26.117	17.4		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_049

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_049

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_049

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_049

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_049

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_049

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_049

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_049

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

Batch: 2D16007 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/16/12 08:43	50.00	50.00
GW0501	1204038-03	04/16/12 08:43	50.00	50.00
GW0502	1204038-05	04/16/12 08:43	50.00	50.00
GW0503	1204038-07	04/16/12 08:43	50.00	50.00
GW0504	1204038-09	04/16/12 08:43	50.00	50.00
GW0520	1204038-11	04/16/12 08:43	50.00	50.00
GW0521	1204038-13	04/16/12 08:43	50.00	50.00
GW0522	1204038-15	04/16/12 08:43	50.00	50.00
GW0523	1204038-17	04/16/12 08:43	50.00	50.00
Blank	2D16007-BLK1	04/16/12 08:43	50.00	50.00
LCS	2D16007-BS1	04/16/12 08:43	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D17019 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-02	04/17/12 13:03	50.00	50.00
GW0501	1204038-04	04/17/12 13:03	50.00	50.00
GW0502	1204038-06	04/17/12 13:03	50.00	50.00
GW0503	1204038-08	04/17/12 13:03	50.00	50.00
GW0504	1204038-10	04/17/12 13:03	50.00	50.00
GW0520	1204038-12	04/17/12 13:03	50.00	50.00
GW0521	1204038-14	04/17/12 13:03	50.00	50.00
GW0522	1204038-16	04/17/12 13:03	50.00	50.00
GW0523	1204038-18	04/17/12 13:03	50.00	50.00
GW0529	1204054-02	04/17/12 13:03	50.00	50.00
GW0544	1204054-04	04/17/12 13:03	50.00	50.00
GW0545	1204054-06	04/17/12 13:03	50.00	50.00
GW0546	1204054-08	04/17/12 13:03	50.00	50.00
GW0590	1204054-10	04/17/12 13:03	50.00	50.00
GW0591	1204054-12	04/17/12 13:03	50.00	50.00
GW0592	1204054-14	04/17/12 13:03	50.00	50.00
Blank	2D17019-BLK1	04/17/12 13:03	50.00	50.00
LCS	2D17019-BS1	04/17/12 13:03	50.00	50.00
GW0592	2D17019-DUP1	04/17/12 13:03	50.00	50.00
GW0592	2D17019-MS1	04/17/12 13:03	50.00	50.00
GW0592	2D17019-MSD1	04/17/12 13:03	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D18011 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/18/12 09:39	50.00	50.00
GW0544	1204054-03	04/18/12 09:39	50.00	50.00
GW0545	1204054-05	04/18/12 09:39	50.00	50.00
GW0546	1204054-07	04/18/12 09:39	50.00	50.00
GW0590	1204054-09	04/18/12 09:39	50.00	50.00
GW0591	1204054-11	04/18/12 09:39	50.00	50.00
GW0592	1204054-13	04/18/12 09:39	50.00	50.00
GW0597	1204054-15	04/18/12 09:39	50.00	50.00
GW0598	1204054-17	04/18/12 09:39	50.00	50.00
GW0604	1204054-19	04/18/12 09:39	50.00	50.00
GW0505	1204063-01	04/18/12 09:39	50.00	50.00
GW0506	1204063-03	04/18/12 09:39	50.00	50.00
GW0510	1204063-05	04/18/12 09:39	50.00	50.00
GW0596	1204063-07	04/18/12 09:39	50.00	50.00
GW0605	1204063-09	04/18/12 09:39	50.00	50.00
Blank	2D18011-BLK1	04/18/12 09:39	50.00	50.00
LCS	2D18011-BS1	04/18/12 09:39	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D18012 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0527	1204074-01	04/18/12 09:45	50.00	50.00
GW0547	1204074-03	04/18/12 09:45	50.00	50.00
GW0548	1204074-05	04/18/12 09:45	50.00	50.00
GW0549	1204074-07	04/18/12 09:45	50.00	50.00
GW0576	1204074-09	04/18/12 09:45	50.00	50.00
GW0577	1204074-11	04/18/12 09:45	50.00	50.00
GW0578	1204074-13	04/18/12 09:45	50.00	50.00
GW0579	1204074-15	04/18/12 09:45	50.00	50.00
Blank	2D18012-BLK1	04/18/12 09:45	50.00	50.00
LCS	2D18012-BS1	04/18/12 09:45	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D19009 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0597	1204054-16	04/19/12 10:44	50.00	50.00
GW0598	1204054-18	04/19/12 10:44	50.00	50.00
GW0604	1204054-20	04/19/12 10:44	50.00	50.00
GW0505	1204063-02	04/19/12 10:44	50.00	50.00
GW0506	1204063-04	04/19/12 10:44	50.00	50.00
GW0510	1204063-06	04/19/12 10:44	50.00	50.00
GW0596	1204063-08	04/19/12 10:44	50.00	50.00
GW0605	1204063-10	04/19/12 10:44	50.00	50.00
GW0527	1204074-02	04/19/12 10:44	50.00	50.00
GW0547	1204074-04	04/19/12 10:44	50.00	50.00
GW0548	1204074-06	04/19/12 10:44	50.00	50.00
GW0549	1204074-08	04/19/12 10:44	50.00	50.00
GW0576	1204074-10	04/19/12 10:44	50.00	50.00
GW0577	1204074-12	04/19/12 10:44	50.00	50.00
GW0578	1204074-14	04/19/12 10:44	50.00	50.00
GW0579	1204074-16	04/19/12 10:44	50.00	50.00
Blank	2D19009-BLK1	04/19/12 10:44	50.00	50.00
LCS	2D19009-BS1	04/19/12 10:44	50.00	50.00
GW0579	2D19009-DUP1	04/19/12 10:44	50.00	50.00
GW0579	2D19009-MS1	04/19/12 10:44	50.00	50.00
GW0579	2D19009-MSD1	04/19/12 10:44	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11022	Instrument:	ME-ICP
Calibration:	2110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D11022-CAL1	041712A-001	04/17/12 08:32
Cal Standard	2D11022-CAL1	041712A-001	04/17/12 08:32
Cal Standard	2D11022-CAL2	041712A-002	04/17/12 08:37
Cal Standard	2D11022-CAL2	041712A-002	04/17/12 08:37
Cal Standard	2D11022-CAL3	041712A-003	04/17/12 08:42
Cal Standard	2D11022-CAL3	041712A-003	04/17/12 08:42
Cal Standard	2D11022-CAL4	041712A-004	04/17/12 08:47
Cal Standard	2D11022-CAL5	041712A-005	04/17/12 08:52
Cal Standard	2D11022-CAL5	041712A-005	04/17/12 08:52
Cal Standard	2D11022-CAL6	041712A-006	04/17/12 08:57
Cal Standard	2D11022-CAL6	041712A-006	04/17/12 08:57
Cal Standard	2D11022-CAL7	041712A-007	04/17/12 09:04
Cal Standard	2D11022-CAL8	041712A-008	04/17/12 09:09
Initial Cal Check	2D11022-ICV1	041712B-001	04/17/12 09:36
Initial Cal Check	2D11022-ICV1	041712B-001	04/17/12 09:36
Initial Cal Blank	2D11022-ICB1	041712B-002	04/17/12 09:43
Initial Cal Blank	2D11022-ICB1	041712B-002	04/17/12 09:43
Instrument RL Check	2D11022-CRL1	041712B-003	04/17/12 09:48
Instrument RL Check	2D11022-CRL1	041712B-003	04/17/12 09:48
Interference Check A	2D11022-IFA1	041712B-007	04/17/12 10:10
Interference Check A	2D11022-IFA1	041712B-007	04/17/12 10:10
Interference Check B	2D11022-IFB1	041712B-008	04/17/12 10:15
Interference Check B	2D11022-IFB1	041712B-008	04/17/12 10:15
Calibration Check	2D11022-CCV1	041712B-010	04/17/12 10:27
Calibration Check	2D11022-CCV1	041712B-010	04/17/12 10:27
Calibration Blank	2D11022-CCB1	041712B-011	04/17/12 10:34
Calibration Blank	2D11022-CCB1	041712B-011	04/17/12 10:34
Calibration Check	2D11022-CCV2	041712B-025	04/17/12 11:48
Calibration Blank	2D11022-CCB2	041712B-026	04/17/12 11:55
Blank	2D16007-BLK1	041712B-027	04/17/12 12:00
LCS	2D16007-BS1	041712B-028	04/17/12 12:05
GW0500	1204038-01	041712B-029	04/17/12 12:11

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11022	Instrument:	ME-ICP
Calibration:	2110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0501	1204038-03	041712B-030	04/17/12 12:16
GW0502	1204038-05	041712B-031	04/17/12 12:20
GW0503	1204038-07	041712B-032	04/17/12 12:25
GW0504	1204038-09	041712B-033	04/17/12 12:30
GW0520	1204038-11	041712B-034	04/17/12 12:34
GW0521	1204038-13	041712B-035	04/17/12 12:39
GW0522	1204038-15	041712B-036	04/17/12 12:44
GW0523	1204038-17	041712B-037	04/17/12 12:48
Calibration Check	2D11022-CCV3	041712C-001	04/17/12 13:19
Calibration Blank	2D11022-CCB3	041712C-002	04/17/12 13:27
Calibration Check	2D11022-CCV4	041712C-015	04/17/12 14:29
Calibration Blank	2D11022-CCB4	041712C-016	04/17/12 14:37
Blank	2D17019-BLK1	041712C-017	04/17/12 14:42
LCS	2D17019-BS1	041712C-019	04/17/12 14:51
GW0500	1204038-02	041712C-024	04/17/12 15:18
GW0501	1204038-04	041712C-025	04/17/12 15:22
GW0502	1204038-06	041712C-026	04/17/12 15:27
GW0503	1204038-08	041712C-027	04/17/12 15:32
GW0504	1204038-10	041712C-028	04/17/12 15:36
GW0520	1204038-12	041712C-029	04/17/12 15:41
Calibration Check	2D11022-CCV5	041712C-030	04/17/12 15:47
Calibration Blank	2D11022-CCB5	041712C-031	04/17/12 15:54
GW0521	1204038-14	041712C-032	04/17/12 15:59
GW0522	1204038-16	041712C-033	04/17/12 16:04
GW0523	1204038-18	041712C-034	04/17/12 16:08
GW0529	1204054-02	041712C-035	04/17/12 16:13
GW0544	1204054-04	041712C-036	04/17/12 16:17
GW0545	1204054-06	041712C-037	04/17/12 16:22
GW0546	1204054-08	041712C-038	04/17/12 16:27
GW0590	1204054-10	041712C-039	04/17/12 16:31
GW0591	1204054-12	041712C-040	04/17/12 16:36
GW0592	1204054-14	041712C-041	04/17/12 16:41

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11022	Instrument:	ME-ICP
Calibration:	2110001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0592	2D17019-MS1	041712C-042	04/17/12 16:45
GW0592	2D17019-MSD1	041712C-043	04/17/12 16:50
GW0592	2D17019-DUP1	041712C-044	04/17/12 16:55
Calibration Check	2D11022-CCV6	041712C-045	04/17/12 17:01
Calibration Blank	2D11022-CCB6	041712C-046	04/17/12 17:08

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11102	Instrument:	ME-ICP
Calibration:	2111005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D11102-CAL1	041912A-001	04/19/12 08:35
Cal Standard	2D11102-CAL1	041912A-001	04/19/12 08:35
Cal Standard	2D11102-CAL2	041912A-002	04/19/12 08:40
Cal Standard	2D11102-CAL2	041912A-002	04/19/12 08:40
Cal Standard	2D11102-CAL3	041912A-003	04/19/12 08:45
Cal Standard	2D11102-CAL3	041912A-003	04/19/12 08:45
Cal Standard	2D11102-CAL4	041912A-004	04/19/12 08:50
Cal Standard	2D11102-CAL5	041912A-005	04/19/12 08:55
Cal Standard	2D11102-CAL5	041912A-005	04/19/12 08:55
Cal Standard	2D11102-CAL6	041912A-006	04/19/12 09:01
Cal Standard	2D11102-CAL6	041912A-006	04/19/12 09:01
Cal Standard	2D11102-CAL7	041912A-007	04/19/12 09:07
Cal Standard	2D11102-CAL8	041912A-008	04/19/12 09:12
Initial Cal Check	2D11102-ICV1	041912B-001	04/19/12 09:40
Initial Cal Check	2D11102-ICV1	041912B-001	04/19/12 09:40
Initial Cal Blank	2D11102-ICB1	041912B-002	04/19/12 09:47
Initial Cal Blank	2D11102-ICB1	041912B-002	04/19/12 09:47
Instrument RL Check	2D11102-CRL1	041912B-003	04/19/12 09:52
Instrument RL Check	2D11102-CRL1	041912B-003	04/19/12 09:52
Interference Check A	2D11102-IFA1	041912B-005	04/19/12 10:02
Interference Check A	2D11102-IFA1	041912B-005	04/19/12 10:02
Interference Check B	2D11102-IFB1	041912B-006	04/19/12 10:08
Interference Check B	2D11102-IFB1	041912B-006	04/19/12 10:08
Calibration Check	2D11102-CCV1	041912B-008	04/19/12 10:19
Calibration Check	2D11102-CCV1	041912B-008	04/19/12 10:19
Calibration Blank	2D11102-CCB1	041912B-009	04/19/12 10:27
Calibration Blank	2D11102-CCB1	041912B-009	04/19/12 10:27
Blank	2D18011-BLK1	041912B-010	04/19/12 10:32
LCS	2D18011-BS1	041912B-011	04/19/12 10:37
GW0529	1204054-01	041912B-012	04/19/12 10:43
GW0544	1204054-03	041912B-013	04/19/12 10:48
GW0545	1204054-05	041912B-014	04/19/12 10:52

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11102	Instrument:	ME-ICP
Calibration:	2111005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0546	1204054-07	041912B-015	04/19/12 10:57
GW0590	1204054-09	041912B-016	04/19/12 11:02
GW0591	1204054-11	041912B-017	04/19/12 11:06
GW0592	1204054-13	041912B-018	04/19/12 11:11
GW0597	1204054-15	041912B-019	04/19/12 11:16
GW0598	1204054-17	041912B-020	04/19/12 11:20
GW0604	1204054-19	041912B-021	04/19/12 11:25
Calibration Check	2D11102-CCV2	041912B-022	04/19/12 11:31
Calibration Blank	2D11102-CCB2	041912B-023	04/19/12 11:38
GW0505	1204063-01	041912B-024	04/19/12 11:43
GW0506	1204063-03	041912B-025	04/19/12 11:48
GW0510	1204063-05	041912B-026	04/19/12 11:52
GW0596	1204063-07	041912B-027	04/19/12 11:57
GW0605	1204063-09	041912B-028	04/19/12 12:02
Calibration Check	2D11102-CCV3	041912B-037	04/19/12 12:46
Calibration Blank	2D11102-CCB3	041912B-038	04/19/12 12:53
Blank	2D18012-BLK1	041912B-039	04/19/12 12:58
LCS	2D18012-BS1	041912B-040	04/19/12 13:03
GW0527	1204074-01	041912B-046	04/19/12 13:34
GW0547	1204074-03	041912B-047	04/19/12 13:38
GW0548	1204074-05	041912B-048	04/19/12 13:43
GW0549	1204074-07	041912B-049	04/19/12 13:48
GW0576	1204074-09	041912B-050	04/19/12 13:52
Calibration Check	2D11102-CCV4	041912B-051	04/19/12 13:59
Calibration Blank	2D11102-CCB4	041912B-052	04/19/12 14:06
GW0577	1204074-11	041912B-053	04/19/12 14:11
GW0578	1204074-13	041912B-054	04/19/12 14:16
GW0579	1204074-15	041912B-055	04/19/12 14:21
Calibration Check	2D11102-CCV5	041912B-067	04/19/12 15:20
Calibration Blank	2D11102-CCB5	041912B-068	04/19/12 15:28
Calibration Check	2D11102-CCV6	041912B-084	04/19/12 16:49
Calibration Blank	2D11102-CCB6	041912B-085	04/19/12 16:56

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11102	Instrument:	ME-ICP
Calibration:	2111005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	2D19009-BLK1	041912B-086	04/19/12 17:01
LCS	2D19009-BS1	041912B-087	04/19/12 17:05
GW0597	1204054-16	041912B-090	04/19/12 17:22
GW0598	1204054-18	041912B-091	04/19/12 17:27
GW0604	1204054-20	041912B-092	04/19/12 17:32
GW0505	1204063-02	041912B-093	04/19/12 17:36
GW0506	1204063-04	041912B-094	04/19/12 17:41
GW0510	1204063-06	041912B-095	04/19/12 17:46
GW0596	1204063-08	041912B-096	04/19/12 17:51
GW0605	1204063-10	041912B-097	04/19/12 17:55
Calibration Check	2D11102-CCV7	041912B-098	04/19/12 18:01
Calibration Blank	2D11102-CCB7	041912B-099	04/19/12 18:08
GW0527	1204074-02	041912B-100	04/19/12 18:13
GW0547	1204074-04	041912B-101	04/19/12 18:18
GW0548	1204074-06	041912B-102	04/19/12 18:22
GW0549	1204074-08	041912B-103	04/19/12 18:27
GW0576	1204074-10	041912B-104	04/19/12 18:32
GW0577	1204074-12	041912B-105	04/19/12 18:36
GW0578	1204074-14	041912B-106	04/19/12 18:41
GW0579	1204074-16	041912B-107	04/19/12 18:46
GW0579	2D19009-MS1	041912B-108	04/19/12 18:51
GW0579	2D19009-MSD1	041912B-109	04/19/12 18:55
GW0579	2D19009-DUP1	041912B-110	04/19/12 19:01
Calibration Check	2D11102-CCV8	041912B-111	04/19/12 19:06
Calibration Blank	2D11102-CCB8	041912B-112	04/19/12 19:14

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2110001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/17/12 8:32 4/17/12 9:09

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	2.0366E-05	10000	2.0522E-05			500000	2.006E-05		
Antimony	0	0	100	0.0005417	1000	0.0005657					10000	5.4647E-04
Arsenic	0	0	100	0.0003266	1000	3.4843E-04					10000	3.3771E-04
Barium	0	0	50	0.010888	1000	0.010455	5000	0.0105896				
Beryllium	0	0	100	0.0026155	1000	0.0026143					10000	0.0025212
Boron	0	0	50	0.0000128	1000	1.292E-05					5000	1.2864E-05
Cadmium	0	0	100	0.015909	1000	0.016167					10000	0.01517
Calcium	0	0	1100	5.680909E-05	50000	5.432E-05					10000	
Chromium	0	0	100	0.000047	1000	4.571E-05					10000	4.5262E-05
Cobalt	0	0	100	0.004859	1000	0.0047918					10000	0.0047816
Copper	0	0	100	0.0000578	1000	5.464E-05					10000	5.3614E-05
Iron	0	0	5100	1.886471E-05	10000	1.8145E-05			500000	1.75526E-05	10000	
Lead	0	0	100	0.001269	1000	0.0012429					10000	0.0012536
Magnesium	0	0	5100		50000	2.4556E-06			500000	2.442E-06	10000	
Manganese	0	0	100	0.0002505	1000	2.4615E-04	10000	2.4196E-04			10000	
Molybdenum	0	0	100	0.0035933	1000	0.0037132					10000	0.0036467
Nickel	0	0	100	0.0031371	1000	0.0030847					10000	0.003081
Potassium	0	0	1000	8.02E-06	10000	1.2533E-05						
Selenium	0	0	100	0.0003779	1000	3.9038E-04					10000	3.7506E-04
Silver	0	0	20	0.0000585	500	5.632E-05	2000	5.9285E-05				
Sodium	0	0	1000		50000	3.8034E-05						
Strontium	0	0	100	0.001442	1000	0.001433					10000	0.00142
Thallium	0	0	100	0.000597	1000	5.9215E-04					10000	0.0005846
Tin	0	0	50	0.0012804	1000	0.0013242					5000	1.30316E-03
Titanium	0	0	100	0.0002041	1000	2.0119E-04					10000	2.0247E-04
Vanadium	0	0	100	0.0000476	1000	4.754E-05					10000	4.754E-05
Zinc	0	0	100	0.0069477	1000	0.006996					10000	0.0068079
Aluminum	0	0	5000	2.0366E-05	10000	2.0522E-05			500000	2.006E-05		
Antimony	0	0	100	0.0005417	1000	0.0005657					10000	5.4647E-04
Arsenic	0	0	100	0.0003266	1000	3.4843E-04					10000	3.3771E-04
Barium	0	0	50	0.010888	1000	0.010455	5000	0.0105896				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2110001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/17/12 8:32 4/17/12 9:09

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	0.0026155	1000	0.0026143					10000	0.0025212
Boron	0	0	50	0.0000128	1000	1.292E-05					5000	1.2864E-05
Cadmium	0	0	100	0.015909	1000	0.016167					10000	0.01517
Calcium	0	0	1100	5.680909E-05	50000	5.432E-05					10000	
Chromium	0	0	100	0.000047	1000	4.571E-05					10000	4.5262E-05
Cobalt	0	0	100	0.004859	1000	0.0047918					10000	0.0047816
Copper	0	0	100	0.0000578	1000	5.464E-05					10000	5.3614E-05
Iron	0	0	5100	1.886471E-05	10000	1.8145E-05			500000	1.75526E-05	10000	
Lead	0	0	100	0.001269	1000	0.0012429					10000	0.0012536
Magnesium	0	0	5100		50000	2.4556E-06			500000	2.442E-06	10000	
Manganese	0	0	100	0.0002505	1000	2.4615E-04	10000	2.4196E-04			10000	
Molybdenum	0	0	100	0.0035933	1000	0.0037132					10000	0.0036467
Nickel	0	0	100	0.0031371	1000	0.0030847					10000	0.003081
Potassium	0	0	1000	8.02E-06	10000	1.2533E-05						
Selenium	0	0	100	0.0003779	1000	3.9038E-04					10000	3.7506E-04
Silver	0	0	20	0.0000585	500	5.632E-05	2000	5.9285E-05				
Sodium	0	0	1000		50000	3.8034E-05						
Strontium	0	0	100	0.001442	1000	0.001433					10000	0.00142
Thallium	0	0	100	0.000597	1000	5.9215E-04					10000	0.0005846
Tin	0	0	50	0.0012804	1000	0.0013242					5000	1.30316E-03
Titanium	0	0	100	0.0002041	1000	2.0119E-04					10000	2.0247E-04
Vanadium	0	0	100	0.0000476	1000	4.754E-05					10000	4.754E-05
Zinc	0	0	100	0.0069477	1000	0.006996					10000	0.0068079

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2110001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/17/12 8:32 4/17/12 9:09

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	5.377E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3813E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3185E-05										
Selenium												
Silver												
Sodium	100000	3.7107E-05	500000	3.6546E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2110001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/17/12 8:32 4/17/12 9:09

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.377E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3813E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3185E-05										
Selenium												
Silver												
Sodium	100000	3.7107E-05	500000	3.6546E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2110001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/17/12 8:32	4/17/12 9:09

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.5237E-05	66.67856	2.477237	165.3375	0.9999998		0.998	
Antimony	4.134675E-04	66.71386	5.858968	187.504	0.9999867		0.998	
Arsenic	2.53185E-04	66.75954	7.757285	192.9868	0.9999882		0.998	
Barium	7.98315E-03	66.70518	1.040427	167.1372	0.999992		0.998	
Beryllium	1.93775E-03	66.70563	22.57782	195.8987	0.9999874		0.998	
Boron	9.646E-06	66.6686	4.117625	159.5417	0.9999991		0.998	
Cadmium	0.0118115	66.76257	12.41918	196.6003	0.9999592		0.998	
Calcium	4.122477E-05	66.74378	1.455905	137.2449	0.9999991		0.998	
Chromium	3.4493E-05	66.70087	6.017678	180.9686	0.9999993		0.998	
Cobalt	0.0036081	66.67346	1.29789	167.9274	1		0.998	
Copper	4.15135E-05	66.80463	1.538718	80.33724	0.9999983		0.998	
Iron	1.364058E-05	66.78257	10.12394	194.247	0.9999995		0.998	
Lead	9.41375E-04	66.67638	16.45537	197.8478	0.9999991		0.998	
Magnesium	1.819725E-06	66.69029	5.662568	192.3004	0.9999685		0.998	
Manganese	1.846525E-04	66.6934	1.24727	97.93448	0.9999975		0.998	
Molybdenum	0.0027383	66.69072	15.75251	198.2945	0.9999964		0.998	
Nickel	0.0023257	66.67577	0.6066925	180.3611	1		0.998	
Potassium	8.4345E-06	72.01282	0.6988775	78.60311	0.9999982		0.998	
Selenium	2.85835E-04	66.7073	6.894248	193.8754	0.9999842		0.998	
Silver	4.352625E-05	66.72892	9.858267	181.4065	0.9998215		0.998	
Sodium	2.792175E-05	66.70288	12.29862	189.8565	0.9999832		0.998	
Strontium	1.07375E-03	66.67197	3.3211	150.4715	0.9999992		0.998	
Thallium	4.434375E-04	66.6766	3.246335	176.7359	0.9999981		0.998	
Tin	9.7694E-04	66.6918	5.337092	194.4915	0.9999876		0.998	
Titanium	1.5194E-04	66.67127	3.964378	169.8589	0.9999994		0.998	
Vanadium	3.567E-05	66.66671	7.29581	183.375	1		0.998	
Zinc	0.0051879	66.68439	1.586485	181.0737	0.999993		0.998	
Aluminum	1.5237E-05	66.67856	2.477237	165.3375	0.9999998		0.998	
Antimony	4.134675E-04	66.71386	5.858968	187.504	0.9999867		0.998	
Arsenic	2.53185E-04	66.75954	7.757285	192.9868	0.9999882		0.998	
Barium	7.98315E-03	66.70518	1.040427	167.1372	0.999992		0.998	
Beryllium	1.93775E-03	66.70563	22.57782	195.8987	0.9999874		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_049	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2110001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	4/17/12 8:32	4/17/12 9:09

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	9.646E-06	66.6686	4.117625	159.5417	0.9999991		0.998	
Cadmium	0.0118115	66.76257	12.41918	196.6003	0.9999592		0.998	
Calcium	4.122477E-05	66.74378	1.455905	137.2449	0.9999991		0.998	
Chromium	3.4493E-05	66.70087	6.017678	180.9686	0.9999993		0.998	
Cobalt	0.0036081	66.67346	1.29789	167.9274	1		0.998	
Copper	4.15135E-05	66.80463	1.538718	80.33724	0.9999983		0.998	
Iron	1.364058E-05	66.78257	10.12394	194.247	0.9999995		0.998	
Lead	9.41375E-04	66.67638	16.45537	197.8478	0.9999991		0.998	
Magnesium	1.819725E-06	66.69029	5.662568	192.3004	0.9999685		0.998	
Manganese	1.846525E-04	66.6934	1.24727	97.93448	0.9999975		0.998	
Molybdenum	0.0027383	66.69072	15.75251	198.2945	0.9999964		0.998	
Nickel	0.0023257	66.67577	0.6066925	180.3611	1		0.998	
Potassium	8.4345E-06	72.01282	0.6988775	78.60311	0.9999982		0.998	
Selenium	2.85835E-04	66.7073	6.894248	193.8754	0.9999842		0.998	
Silver	4.352625E-05	66.72892	9.858267	181.4065	0.9998215		0.998	
Sodium	2.792175E-05	66.70288	12.29862	189.8565	0.9999832		0.998	
Strontium	1.07375E-03	66.67197	3.3211	150.4715	0.9999992		0.998	
Thallium	4.434375E-04	66.6766	3.246335	176.7359	0.9999981		0.998	
Tin	9.7694E-04	66.6918	5.337092	194.4915	0.9999876		0.998	
Titanium	1.5194E-04	66.67127	3.964378	169.8589	0.9999994		0.998	
Vanadium	3.567E-05	66.66671	7.29581	183.375	1		0.998	
Zinc	0.0051879	66.68439	1.586485	181.0737	0.999993		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2111005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/19/12 8:35 4/19/12 9:12

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	1.9104E-05	10000	1.9383E-05			500000	1.9296E-05		
Antimony	0	0	100	0.0005297	1000	5.5491E-04					10000	5.3281E-04
Arsenic	0	0	100	0.0003054	1000	3.3023E-04					10000	3.2171E-04
Barium	0	0	50	0.0104152	1000	0.010083	5000	0.0101602				
Beryllium	0	0	100	0.0024612	1000	0.0025491					10000	0.0024109
Boron	0	0	50	0.0000118	1000	1.223E-05					5000	1.1778E-05
Cadmium	0	0	100	0.0149	1000	0.015369					10000	0.014396
Calcium	0	0	1100	5.084545E-05	50000	5.1724E-05					10000	
Chromium	0	0	100	0.0000441	1000	4.354E-05					10000	4.3253E-05
Cobalt	0	0	100	0.0047274	1000	0.0046821					10000	0.0046227
Copper	0	0	100	0.0000542	1000	5.363E-05					10000	5.0216E-05
Iron	0	0	5100	1.733529E-05	10000	1.6928E-05			500000	1.63722E-05	10000	
Lead	0	0	100	0.0012106	1000	0.0012023					10000	0.0011983
Magnesium	0	0	5100		50000	2.3216E-06			500000	2.3072E-06	10000	
Manganese	0	0	100	0.0002295	1000	2.3404E-04	10000	2.2285E-04			10000	
Molybdenum	0	0	100	0.0034223	1000	0.0035651					10000	0.0034939
Nickel	0	0	100	0.0029612	1000	0.002941					10000	0.0029246
Potassium	0	0	1000	0.0000075	10000	1.1849E-05						
Selenium	0	0	100	0.0003611	1000	0.0003743					10000	3.5842E-04
Silver	0	0	20	0.000055	500	0.0000531	2000	5.567E-05				
Sodium	0	0	1000		50000	3.5994E-05						
Strontium	0	0	100	0.001337	1000	0.001389					10000	0.001349
Thallium	0	0	100	0.0005954	1000	0.0005927					10000	5.7543E-04
Tin	0	0	50	0.0012208	1000	0.001268					5000	1.24462E-03
Titanium	0	0	100	0.0001885	1000	1.9582E-04					10000	1.8916E-04
Vanadium	0	0	100	0.0000438	1000	4.508E-05					10000	4.4068E-05
Zinc	0	0	100	0.0065522	1000	0.0066786					10000	0.006491
Aluminum	0	0	5000	1.9104E-05	10000	1.9383E-05			500000	1.9296E-05		
Antimony	0	0	100	0.0005297	1000	5.5491E-04					10000	5.3281E-04
Arsenic	0	0	100	0.0003054	1000	3.3023E-04					10000	3.2171E-04
Barium	0	0	50	0.0104152	1000	0.010083	5000	0.0101602				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2111005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/19/12 8:35 4/19/12 9:12

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	0.0024612	1000	0.0025491					10000	0.0024109
Boron	0	0	50	0.0000118	1000	1.223E-05					5000	1.1778E-05
Cadmium	0	0	100	0.0149	1000	0.015369					10000	0.014396
Calcium	0	0	1100	5.084545E-05	50000	5.1724E-05					10000	
Chromium	0	0	100	0.0000441	1000	4.354E-05					10000	4.3253E-05
Cobalt	0	0	100	0.0047274	1000	0.0046821					10000	0.0046227
Copper	0	0	100	0.0000542	1000	5.363E-05					10000	5.0216E-05
Iron	0	0	5100	1.733529E-05	10000	1.6928E-05			500000	1.63722E-05	10000	
Lead	0	0	100	0.0012106	1000	0.0012023					10000	0.0011983
Magnesium	0	0	5100		50000	2.3216E-06			500000	2.3072E-06	10000	
Manganese	0	0	100	0.0002295	1000	2.3404E-04	10000	2.2285E-04			10000	
Molybdenum	0	0	100	0.0034223	1000	0.0035651					10000	0.0034939
Nickel	0	0	100	0.0029612	1000	0.002941					10000	0.0029246
Potassium	0	0	1000	0.0000075	10000	1.1849E-05						
Selenium	0	0	100	0.0003611	1000	0.0003743					10000	3.5842E-04
Silver	0	0	20	0.000055	500	0.0000531	2000	5.567E-05				
Sodium	0	0	1000		50000	3.5994E-05						
Strontium	0	0	100	0.001337	1000	0.001389					10000	0.001349
Thallium	0	0	100	0.0005954	1000	0.0005927					10000	5.7543E-04
Tin	0	0	50	0.0012208	1000	0.001268					5000	1.24462E-03
Titanium	0	0	100	0.0001885	1000	1.9582E-04					10000	1.8916E-04
Vanadium	0	0	100	0.0000438	1000	4.508E-05					10000	4.4068E-05
Zinc	0	0	100	0.0065522	1000	0.0066786					10000	0.006491

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2111005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/19/12 8:35 4/19/12 9:12

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	4.8818E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.232E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.2359E-05										
Selenium												
Silver												
Sodium	100000	3.5248E-05	500000	3.5116E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2111005	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	4/19/12 8:35 4/19/12 9:12

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	4.8818E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.232E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.2359E-05										
Selenium												
Silver												
Sodium	100000	3.5248E-05	500000	3.5116E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2111005	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	4/19/12 8:35	4/19/12 9:12	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.444575E-05	66.67155	10.2889	190.4543	1		0.998	
Antimony	4.04355E-04	66.72442	6.225645	176.3933	0.9999819		0.998	
Arsenic	2.39335E-04	66.80548	15.78121	194.0885	0.9999912		0.998	
Barium	0.0076646	66.69239	2.378813	182.4759	0.9999969		0.998	
Beryllium	0.0018553	66.7377	9.08672	190.3369	0.999968		0.998	
Boron	8.952E-06	66.70718	2.896188	149.7348	0.9999399		0.998	
Cadmium	1.116625E-02	66.76155	1.211332	139.3025	0.999956		0.998	
Calcium	3.784686E-05	66.74416	2.09098	177.7127	0.9999651		0.998	
Chromium	3.272325E-05	66.67533	4.46076	168.0382	0.9999997		0.998	
Cobalt	3.50805E-03	66.67787	2.31062	167.6833	0.9999987		0.998	
Copper	3.95115E-05	66.81518	1.62123	65.30979	0.9999611		0.998	
Iron	1.265887E-05	66.73957	10.09603	190.6105	0.9999996		0.998	
Lead	0.0009028	66.66908	11.83751	195.8631	0.9999999		0.998	
Magnesium	1.7152E-06	66.706	25.02161	197.8731	0.9999467		0.998	
Manganese	1.715975E-04	66.72043	1.315552	76.81113	0.999976		0.998	
Molybdenum	2.620325E-03	66.70378	7.991773	193.3685	0.9999954		0.998	
Nickel	0.0022067	66.67012	0.7571625	142.362	0.9999998		0.998	
Potassium	7.927E-06	72.11769	0.84259	136.4674	0.9999992		0.998	
Selenium	2.73455E-04	66.71497	21.31232	196.7557	0.999981		0.998	
Silver	4.09425E-05	66.71966	2.885222	152.0521	0.9998481		0.998	
Sodium	2.65895E-05	66.68252	3.313225	172.8645	0.9999946		0.998	
Strontium	1.01875E-03	66.70237	4.20435	177.8715	0.9999907		0.998	
Thallium	4.408825E-04	66.69686	2.6183	147.4075	0.999991		0.998	
Tin	9.33355E-04	66.69863	3.026448	186.3519	0.9999833		0.998	
Titanium	1.4337E-04	66.70654	10.19358	188.5877	0.9999877		0.998	
Vanadium	3.3237E-05	66.68729	9.358743	177.396	0.9999947		0.998	
Zinc	4.93045E-03	66.68549	4.118517	190.9457	0.999992		0.998	
Aluminum	1.444575E-05	66.67155	10.2889	190.4543	1		0.998	
Antimony	4.04355E-04	66.72442	6.225645	176.3933	0.9999819		0.998	
Arsenic	2.39335E-04	66.80548	15.78121	194.0885	0.9999912		0.998	
Barium	0.0076646	66.69239	2.378813	182.4759	0.9999969		0.998	
Beryllium	0.0018553	66.7377	9.08672	190.3369	0.999968		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2111005	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	4/19/12 8:35	4/19/12 9:12	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	8.952E-06	66.70718	2.896188	149.7348	0.9999399		0.998	
Cadmium	1.116625E-02	66.76155	1.211332	139.3025	0.999956		0.998	
Calcium	3.784686E-05	66.74416	2.09098	177.7127	0.9999651		0.998	
Chromium	3.272325E-05	66.67533	4.46076	168.0382	0.9999997		0.998	
Cobalt	3.50805E-03	66.67787	2.31062	167.6833	0.9999987		0.998	
Copper	3.95115E-05	66.81518	1.62123	65.30979	0.9999611		0.998	
Iron	1.265887E-05	66.73957	10.09603	190.6105	0.9999996		0.998	
Lead	0.0009028	66.66908	11.83751	195.8631	0.9999999		0.998	
Magnesium	1.7152E-06	66.706	25.02161	197.8731	0.9999467		0.998	
Manganese	1.715975E-04	66.72043	1.315552	76.81113	0.999976		0.998	
Molybdenum	2.620325E-03	66.70378	7.991773	193.3685	0.9999954		0.998	
Nickel	0.0022067	66.67012	0.7571625	142.362	0.9999998		0.998	
Potassium	7.927E-06	72.11769	0.84259	136.4674	0.9999992		0.998	
Selenium	2.73455E-04	66.71497	21.31232	196.7557	0.999981		0.998	
Silver	4.09425E-05	66.71966	2.885222	152.0521	0.9998481		0.998	
Sodium	2.65895E-05	66.68252	3.313225	172.8645	0.9999946		0.998	
Strontium	1.01875E-03	66.70237	4.20435	177.8715	0.9999907		0.998	
Thallium	4.408825E-04	66.69686	2.6183	147.4075	0.999991		0.998	
Tin	9.33355E-04	66.69863	3.026448	186.3519	0.9999833		0.998	
Titanium	1.4337E-04	66.70654	10.19358	188.5877	0.9999877		0.998	
Vanadium	3.3237E-05	66.68729	9.358743	177.396	0.9999947		0.998	
Zinc	4.93045E-03	66.68549	4.118517	190.9457	0.999992		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0500

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-01
Sampled:	04/04/12 13:04	Received:	04/06/12 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	2D09802	04/09/12 12:07
18496-25-8	Sulfide		0.727	1.82	3.64	1	U	SM4500S2CF	2D09822	04/09/12 17:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	2D09823	04/09/12 14:28
16887-00-6	Chloride	23.7	0.170	0.330	0.500	1		E300.0	2D12010	04/12/12 20:43
NA	Nitrate/Nitrite as N	0.360	0.250	0.750	1.50	1	J	E353.2	2D09813	04/09/12 10:18
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D09823	04/09/12 14:28
14808-79-8	Sulfate as SO4	31.2	0.330	1.00	2.00	1		E300.0	2D12010	04/12/12 20:43

ANALYSIS DATA SHEET

GW0501

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-03
Sampled:	04/04/12 11:55	Received:	04/06/12 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	2D09802	04/09/12 12:10
18496-25-8	Sulfide		0.727	1.82	3.64	1	U	SM4500S2CF	2D09822	04/09/12 17:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	93.8	1.00	1.00	1.00	1		SM2320B	2D09823	04/09/12 14:36
16887-00-6	Chloride	44.5	0.170	0.330	0.500	1		E300.0	2D12010	04/12/12 22:28
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:20
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D09823	04/09/12 14:36
14808-79-8	Sulfate as SO4	32.2	0.330	1.00	2.00	1		E300.0	2D12010	04/12/12 22:28

ANALYSIS DATA SHEET

GW0502

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-05
Sampled:	04/04/12 12:18	Received:	04/06/12 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	2D09802	04/09/12 12:12
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D09822	04/09/12 17:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	91.4	1.00	1.00	1.00	1		SM2320B	2D09823	04/09/12 14:44
16887-00-6	Chloride	54.1	0.170	0.330	0.500	1		E300.0	2D12010	04/12/12 22:45
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:21
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D09823	04/09/12 14:44
14808-79-8	Sulfate as SO4	32.4	0.330	1.00	2.00	1		E300.0	2D12010	04/12/12 22:45

ANALYSIS DATA SHEET

GW0503

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-07
Sampled:	04/04/12 09:45	Received:	04/06/12 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	2D09802	04/09/12 12:13
18496-25-8	Sulfide		0.727	1.82	3.64	1	U	SM4500S2CF	2D09822	04/09/12 17:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	2D09823	04/09/12 14:50
16887-00-6	Chloride	31.2	0.170	0.330	0.500	1		E300.0	2D12010	04/12/12 23:03
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:23
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D09823	04/09/12 14:50
14808-79-8	Sulfate as SO4	25.1	0.330	1.00	2.00	1		E300.0	2D12010	04/12/12 23:03

ANALYSIS DATA SHEET

GW0504

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-09
Sampled:	04/04/12 09:45	Received:	04/06/12 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	0.157	0.110	0.150	0.300	1	J	SM4500NH3BG	2D09802	04/09/12 12:14
18496-25-8	Sulfide		0.714	1.79	3.57	1	U	SM4500S2CF	2D09822	04/09/12 17:23
71-52-3	Alkalinity, Bicarbonate (as CACO3)	99.1	1.00	1.00	1.00	1		SM2320B	2D09823	04/09/12 14:52
16887-00-6	Chloride	31.3	0.170	0.330	0.500	1		E300.0	2D12010	04/12/12 23:20
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:24
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D09823	04/09/12 14:52
14808-79-8	Sulfate as SO4	25.3	0.330	1.00	2.00	1		E300.0	2D12010	04/12/12 23:20

ANALYSIS DATA SHEET

GW0520

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-11
Sampled:	04/04/12 16:25	Received:	04/06/12 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	2D09802	04/09/12 12:15
18496-25-8	Sulfide		0.714	1.79	3.57	1	U	SM4500S2CF	2D09822	04/09/12 17:24
71-52-3	Alkalinity, Bicarbonate (as CACO3)	124	1.00	1.00	1.00	1		SM2320B	2D10114	04/10/12 12:51
16887-00-6	Chloride	12.0	0.170	0.330	0.500	1		E300.0	2D16010	04/16/12 17:53
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:25
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D10114	04/10/12 12:51
14808-79-8	Sulfate as SO4	35.4	0.330	1.00	2.00	1		E300.0	2D16010	04/16/12 17:53

ANALYSIS DATA SHEET

GW0521

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-13
Sampled:	04/04/12 13:32	Received:	04/06/12 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	2D09802	04/09/12 12:16
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2D09822	04/09/12 17:25
71-52-3	Alkalinity, Bicarbonate (as CACO3)	114	1.00	1.00	1.00	1		SM2320B	2D10114	04/10/12 13:00
16887-00-6	Chloride	11.5	0.170	0.330	0.500	1		E300.0	2D16010	04/16/12 18:10
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:27
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D10114	04/10/12 13:00
14808-79-8	Sulfate as SO4	30.6	0.330	1.00	2.00	1		E300.0	2D16010	04/16/12 18:10

ANALYSIS DATA SHEET

GW0522

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-15
Sampled:	04/04/12 10:41	Received:	04/06/12 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	2D09802	04/09/12 12:17
18496-25-8	Sulfide		0.727	1.82	3.64	1	U	SM4500S2CF	2D09822	04/09/12 17:26
71-52-3	Alkalinity, Bicarbonate (as CACO3)	139	1.00	1.00	1.00	1		SM2320B	2D10114	04/10/12 13:10
16887-00-6	Chloride	9.76	0.170	0.330	0.500	1		E300.0	2D16010	04/16/12 18:27
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:28
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D10114	04/10/12 13:10
14808-79-8	Sulfate as SO4	30.0	0.330	1.00	2.00	1		E300.0	2D16010	04/16/12 18:27

ANALYSIS DATA SHEET

GW0523

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204038-17
Sampled:	04/04/12 10:41	Received:	04/06/12 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	0.127	0.110	0.150	0.300	1	J	SM4500NH3BG	2D09802	04/09/12 12:18
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D09822	04/09/12 17:27
71-52-3	Alkalinity, Bicarbonate (as CACO3)	127	1.00	1.00	1.00	1		SM2320B	2D10114	04/10/12 13:17
16887-00-6	Chloride	9.95	0.170	0.330	0.500	1		E300.0	2D16010	04/16/12 19:02
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D09813	04/09/12 10:30
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D10114	04/10/12 13:17
14808-79-8	Sulfate as SO4	30.5	0.330	1.00	2.00	1		E300.0	2D16010	04/16/12 19:02

ANALYSIS DATA SHEET

GW0529

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-01
Sampled:	04/09/12 11:29	Received:	04/11/12 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	2D16002	04/16/12 15:52
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:03
71-52-3	Alkalinity, Bicarbonate (as CACO3)	83.2	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 09:15
16887-00-6	Chloride	87.4	0.170	0.330	0.500	1		E300.0	2D24014	04/24/12 23:22
NA	Nitrate/Nitrite as N	4.61	0.250	0.750	1.50	1	N	E353.2	2D16011	04/16/12 11:37
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 09:15
14808-79-8	Sulfate as SO4	83.6	0.330	1.00	2.00	1		E300.0	2D24014	04/24/12 23:22

ANALYSIS DATA SHEET

GW0544

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-03
Sampled:	04/10/12 13:31	Received:	04/11/12 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	2D16002	04/16/12 15:54
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	134	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 09:23
16887-00-6	Chloride	32.1	0.170	0.330	0.500	1		E300.0	2D24014	04/24/12 23:40
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:39
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 09:23
14808-79-8	Sulfate as SO4	49.7	0.330	1.00	2.00	1		E300.0	2D24014	04/24/12 23:40

ANALYSIS DATA SHEET

GW0545

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-05
Sampled:	04/10/12 13:31	Received:	04/11/12 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	2D16002	04/16/12 15:56
18496-25-8	Sulfide		0.678	1.69	3.39	0.678	U	SM4500S2CF	2D16018	04/16/12 14:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	131	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 09:35
16887-00-6	Chloride	32.5	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 00:50
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:40
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 09:35
14808-79-8	Sulfate as SO4	50.5	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 00:50

ANALYSIS DATA SHEET

GW0546

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/10/12 11:16
% Solids: 0.00

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 1204054-07
Received: 04/11/12 08:30

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2D16002	04/16/12 15:57
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	107	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 09:49
16887-00-6	Chloride	17.0	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 01:07
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:42
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 09:49
14808-79-8	Sulfate as SO4	47.5	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 01:07

ANALYSIS DATA SHEET

GW0590

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-09
Sampled:	04/09/12 16:39	Received:	04/11/12 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	2D16002	04/16/12 15:58
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	127	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 09:58
16887-00-6	Chloride	29.5	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 01:24
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:43
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 09:58
14808-79-8	Sulfate as SO4	50.4	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 01:24

ANALYSIS DATA SHEET

GW0591

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-11
Sampled:	04/09/12 14:26	Received:	04/11/12 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	2D16002	04/16/12 15:59
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	114	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 10:08
16887-00-6	Chloride	80.0	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 01:42
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:45
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 10:08
14808-79-8	Sulfate as SO4	79.5	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 01:42

ANALYSIS DATA SHEET

GW0592

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-13
Sampled:	04/09/12 11:55	Received:	04/11/12 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	2D16002	04/16/12 16:00
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	106	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 10:12
16887-00-6	Chloride	7.18	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 01:59
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:46
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 10:12
14808-79-8	Sulfate as SO4	28.0	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 01:59

ANALYSIS DATA SHEET

GW0597

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-15
Sampled:	04/10/12 14:20	Received:	04/11/12 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	2D16002	04/16/12 16:01
18496-25-8	Sulfide		0.741	1.85	3.70	0.741	U	SM4500S2CF	2D16018	04/16/12 14:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	115	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 10:25
16887-00-6	Chloride	12.4	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 02:17
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:47
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 10:25
14808-79-8	Sulfate as SO4	35.1	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 02:17

ANALYSIS DATA SHEET

GW0598

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-17
Sampled:	04/10/12 12:04	Received:	04/11/12 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	2D19002	04/23/12 14:37
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:11
71-52-3	Alkalinity, Bicarbonate (as CACO3)	109	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 10:39
16887-00-6	Chloride	8.27	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 02:34
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:49
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 10:39
14808-79-8	Sulfate as SO4	29.7	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 02:34

ANALYSIS DATA SHEET

GW0604

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204054-19
Sampled:	04/09/12 15:34	Received:	04/11/12 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	2D19002	04/23/12 14:38
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:12
71-52-3	Alkalinity, Bicarbonate (as CACO3)	113	1.00	1.00	1.00	1		SM2320B	2D12007	04/12/12 10:48
16887-00-6	Chloride	11.0	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 02:52
NA	Nitrate/Nitrite as N	0.296	0.250	0.750	1.50	1	J N	E353.2	2D16011	04/16/12 11:50
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D12007	04/12/12 10:48
14808-79-8	Sulfate as SO4	31.8	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 02:52

ANALYSIS DATA SHEET

GW0505

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-01
Sampled:	04/10/12 16:17	Received:	04/12/12 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	2D16002	04/16/12 16:08
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	175	1.00	1.00	1.00	1		SM2320B	2D17004	04/17/12 08:28
16887-00-6	Chloride	10.4	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 03:44
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:55
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D17004	04/17/12 08:28
14808-79-8	Sulfate as SO4	29.5	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 03:44

ANALYSIS DATA SHEET

GW0506

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-03
Sampled:	04/11/12 10:19	Received:	04/12/12 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	2D16002	04/16/12 16:09
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D18018	04/18/12 14:03
71-52-3	Alkalinity, Bicarbonate (as CACO3)	145	1.00	1.00	1.00	1		SM2320B	2D17004	04/17/12 08:44
16887-00-6	Chloride	16.6	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 04:01
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:56
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D17004	04/17/12 08:44
14808-79-8	Sulfate as SO4	32.2	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 04:01

ANALYSIS DATA SHEET

GW0510

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-05
Sampled:	04/11/12 12:36	Received:	04/12/12 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	2D16002	04/16/12 16:10
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2D18018	04/18/12 14:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	126	1.00	1.00	1.00	1		SM2320B	2D17004	04/17/12 08:52
16887-00-6	Chloride	11.3	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 05:11
NA	Nitrate/Nitrite as N	0.713	0.250	0.750	1.50	1	J N	E353.2	2D16011	04/16/12 11:58
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D17004	04/17/12 08:52
14808-79-8	Sulfate as SO4	33.3	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 05:11

ANALYSIS DATA SHEET

GW0596

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-07
Sampled:	04/10/12 16:46	Received:	04/12/12 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	2D16002	04/16/12 16:10
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	2D16018	04/16/12 14:14
71-52-3	Alkalinity, Bicarbonate (as CACO3)	130	1.00	1.00	1.00	1		SM2320B	2D17004	04/17/12 09:03
16887-00-6	Chloride	14.8	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 05:29
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 11:59
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D17004	04/17/12 09:03
14808-79-8	Sulfate as SO4	33.2	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 05:29

ANALYSIS DATA SHEET

GW0605

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204063-09
Sampled:	04/11/12 14:16	Received:	04/12/12 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	2D16002	04/16/12 16:11
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2D18018	04/18/12 14:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	103	1.00	1.00	1.00	1		SM2320B	2D17004	04/17/12 09:11
16887-00-6	Chloride	7.63	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 05:46
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2D16011	04/16/12 12:01
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D17004	04/17/12 09:11
14808-79-8	Sulfate as SO4	28.2	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 05:46

ANALYSIS DATA SHEET

GW0527

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-01
Sampled:	04/11/12 15:31	Received:	04/13/12 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	2D19002	04/23/12 14:39
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2D18018	04/18/12 14:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	240	1.00	1.00	1.00	1		SM2320B	2D17004	04/17/12 09:18
16887-00-6	Chloride	58.0	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 06:03
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D23019	04/23/12 11:50
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D17004	04/17/12 09:18
14808-79-8	Sulfate as SO4	71.0	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 06:03

ANALYSIS DATA SHEET

GW0547

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-03
Sampled:	04/12/12 15:10	Received:	04/13/12 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	2D19002	04/23/12 14:40
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2D18018	04/18/12 14:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	118	1.00	1.00	1.00	1		SM2320B	2D17004	04/17/12 09:29
16887-00-6	Chloride	7.40	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 06:21
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D23019	04/23/12 11:51
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D17004	04/17/12 09:29
14808-79-8	Sulfate as SO4	27.6	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 06:21

ANALYSIS DATA SHEET

GW0548

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/12/12 12:50
% Solids: 0.00

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 1204074-05
Received: 04/13/12 08:20

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2D19002	04/23/12 14:41
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D18018	04/18/12 14:08
71-52-3	Alkalinity, Bicarbonate (as CACO3)	97.8	1.00	1.00	1.00	1		SM2320B	2D18008	04/18/12 08:54
16887-00-6	Chloride	6.60	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 06:38
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D23019	04/23/12 11:53
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D18008	04/18/12 08:54
14808-79-8	Sulfate as SO4	27.6	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 06:38

ANALYSIS DATA SHEET

GW0549

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-07
Sampled:	04/12/12 10:30	Received:	04/13/12 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	2D19002	04/23/12 14:41
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D18018	04/18/12 14:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	103	1.00	1.00	1.00	1		SM2320B	2D18008	04/18/12 09:09
16887-00-6	Chloride	6.60	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 06:56
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D23019	04/23/12 11:54
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D18008	04/18/12 09:09
14808-79-8	Sulfate as SO4	27.5	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 06:56

ANALYSIS DATA SHEET

GW0576

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-09
Sampled:	04/12/12 15:50	Received:	04/13/12 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	2D19002	04/23/12 14:42
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D18018	04/18/12 14:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	147	1.00	1.00	1.00	1		SM2320B	2D18008	04/18/12 09:15
16887-00-6	Chloride	24.4	0.170	0.330	0.500	1		E300.0	2D24014	04/25/12 07:13
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D23019	04/23/12 11:56
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D18008	04/18/12 09:15
14808-79-8	Sulfate as SO4	48.5	0.330	1.00	2.00	1		E300.0	2D24014	04/25/12 07:13

ANALYSIS DATA SHEET

GW0577

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-11
Sampled:	04/12/12 10:55	Received:	04/13/12 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	2D19002	04/23/12 14:43
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D18018	04/18/12 14:11
71-52-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	2D18008	04/18/12 09:24
16887-00-6	Chloride	9.90	0.170	0.330	0.500	1		E300.0	2D24024	04/25/12 10:59
NA	Nitrate/Nitrite as N	0.329	0.250	0.750	1.50	1	J	E353.2	2D23019	04/23/12 11:57
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D18008	04/18/12 09:24
14808-79-8	Sulfate as SO4	32.3	0.330	1.00	2.00	1		E300.0	2D24024	04/25/12 10:59

ANALYSIS DATA SHEET

GW0578

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-13
Sampled:	04/12/12 10:55	Received:	04/13/12 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	2D19002	04/23/12 14:44
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D18018	04/18/12 14:12
71-52-3	Alkalinity, Bicarbonate (as CACO3)	105	1.00	1.00	1.00	1		SM2320B	2D18008	04/18/12 09:36
16887-00-6	Chloride	9.99	0.170	0.330	0.500	1		E300.0	2D24024	04/25/12 11:17
NA	Nitrate/Nitrite as N	0.660	0.250	0.750	1.50	1	J	E353.2	2D23019	04/23/12 11:59
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D18008	04/18/12 09:36
14808-79-8	Sulfate as SO4	32.5	0.330	1.00	2.00	1		E300.0	2D24024	04/25/12 11:17

ANALYSIS DATA SHEET

GW0579

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204074-15
Sampled:	04/12/12 13:39	Received:	04/13/12 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	2D19002	04/23/12 14:45
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D18018	04/18/12 14:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	130	1.00	1.00	1.00	1		SM2320B	2D18008	04/18/12 09:43
16887-00-6	Chloride	16.1	0.170	0.330	0.500	1		E300.0	2D24024	04/25/12 11:34
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2D23019	04/23/12 12:00
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2D18008	04/18/12 09:43
14808-79-8	Sulfate as SO4	44.6	0.330	1.00	2.00	1		E300.0	2D24024	04/25/12 11:34

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_049
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 1L33502

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1L33502-ICV1	Chloride	4.800	5.082	106	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	24.04	100	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_049
Project: Kirtland AFB 2011
Calibration: 2100001
Sequence: 2D10006

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D10006-ICV1	Nitrate/Nitrite as N	1.200	1.243	104	mg/L	+/- 10.00%
2D10006-CCV1	Nitrate/Nitrite as N	1.200	1.234	103	mg/L	+/- 10.00%
2D10006-CCV2	Nitrate/Nitrite as N	1.200	1.227	102	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_049
Project: Kirtland AFB 2011
Calibration: 2100002
Sequence: 2D10009

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D10009-ICV1	Ammonia as N	2.000	2.121	106	mg/L	+/- 10.00%
2D10009-CCV1	Ammonia as N	2.000	2.172	109	mg/L	+/- 10.00%
2D10009-CCV2	Ammonia as N	2.000	2.157	108	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_049
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2D10405

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D10405-CCV1	Chloride	25.00	25.79	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.43	102	mg/L	+/- 10.00%
2D10405-CCV2	Chloride	25.00	25.98	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.51	102	mg/L	+/- 10.00%
2D10405-CCV3	Chloride	25.00	26.05	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.42	102	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_049
Project: Kirtland AFB 2011
Calibration: 2107002
Sequence: 2D10706

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D10706-ICV1	Nitrate/Nitrite as N	1.200	1.308	109	mg/L	+/- 10.00%
2D10706-CCV1	Nitrate/Nitrite as N	1.200	1.311	109	mg/L	+/- 10.00%
2D10706-CCV2	Nitrate/Nitrite as N	1.200	1.310	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_049
Project: Kirtland AFB 2011
Calibration: 2108001
Sequence: 2D10711

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D10711-ICV1	Ammonia as N	2.000	2.080	104	mg/L	+/- 10.00%
2D10711-CCV1	Ammonia as N	2.000	2.068	103	mg/L	+/- 10.00%
2D10711-CCV2	Ammonia as N	2.000	2.159	108	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_049
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2D10812

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D10812-CCV1	Chloride	25.00	26.46	106	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	26.06	104	mg/L	+/- 10.00%
2D10812-CCV2	Chloride	25.00	26.06	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.48	102	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_049
Project: Kirtland AFB 2011
Calibration: 2114001
Sequence: 2D11407

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D11407-ICV1	Nitrate/Nitrite as N	1.200	1.269	106	mg/L	+/- 10.00%
2D11407-CCV1	Nitrate/Nitrite as N	1.200	1.317	110	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_049
Project: Kirtland AFB 2011
Calibration: 2114005
Sequence: 2D11412

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D11412-ICV1	Ammonia as N	2.000	2.048	102	mg/L	+/- 10.00%
2D11412-CCV1	Ammonia as N	2.000	2.113	106	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_049
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2D11618

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D11618-CCV1	Chloride	25.00	25.49	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.39	102	mg/L	+/- 10.00%
2D11618-CCV2	Chloride	25.00	25.35	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.24	101	mg/L	+/- 10.00%
2D11618-CCV3	Chloride	25.00	25.41	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.28	101	mg/L	+/- 10.00%
2D11618-CCV4	Chloride	25.00	24.99	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.17	101	mg/L	+/- 10.00%
2D11618-CCV5	Chloride	25.00	25.04	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.03	100	mg/L	+/- 10.00%
2D11618-CCV6	Chloride	25.00	25.31	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.19	101	mg/L	+/- 10.00%
2D11618-CCV7	Chloride	25.00	25.54	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.38	102	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2D10405

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D10405-CRL1	Chloride	0.5000	0.5130	103	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5050	101	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2D10812

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D10812-CRL1	Chloride	0.5000	0.5860	117	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5660	113	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2D11618

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D11618-CRL1	Chloride	0.5000	0.5750	115	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5900	118	mg/L	75 - 125

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D09802

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D09802-BLK1	Ammonia as N	0.0316	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D09813

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D09813-BLK1	Nitrate/Nitrite as N	-0.0384	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D09822

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D09822-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D09823

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D09823-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D10114

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D10114-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D12007

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D12007-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D12010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D12010-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
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D16002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D16002-BLK1	Ammonia as N	-0.0154	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D16010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D16010-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_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D16011

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D16011-BLK1	Nitrate/Nitrite as N	-0.0409	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D16018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D16018-BLK1	Sulfide	0.640	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D17004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D17004-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D18008

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D18008-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D18018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D18018-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D19002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D19002-BLK1	Ammonia as N	0.0615	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D23019

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D23019-BLK1	Nitrate/Nitrite as N	-0.0318	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D24014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D24014-BLK1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D24024

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D24024-BLK1	Chloride	0.0780	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1L33502
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1L33502-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D10006
Calibration: 2100001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D10006-ICB1	Nitrate/Nitrite as N	-0.01932	0.0500	0.300	mg/L	U	E353.2
2D10006-CCB1	Nitrate/Nitrite as N	-0.0422	0.0500	0.300	mg/L	U	E353.2
2D10006-CCB2	Nitrate/Nitrite as N	-0.0280	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D10009
Calibration: 2100002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D10009-ICB1	Ammonia as N	-0.01240	0.110	0.300	mg/L	U	SM4500NH3BG
2D10009-CCB1	Ammonia as N	-0.0128	0.110	0.300	mg/L	U	SM4500NH3BG
2D10009-CCB2	Ammonia as N	-0.0120	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D10405
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D10405-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2D10405-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
2D10405-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D10706
Calibration: 2107002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D10706-ICB1	Nitrate/Nitrite as N	-0.04470	0.0500	0.300	mg/L	U	E353.2
2D10706-CCB1	Nitrate/Nitrite as N	-0.0511	0.0500	0.300	mg/L	J	E353.2
2D10706-CCB2	Nitrate/Nitrite as N	-0.0386	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D10711
Calibration: 2108001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D10711-ICB1	Ammonia as N	0.004846	0.110	0.300	mg/L	U	SM4500NH3BG
2D10711-CCB1	Ammonia as N	0.00102	0.110	0.300	mg/L	U	SM4500NH3BG
2D10711-CCB2	Ammonia as N	-0.00526	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D10812
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D10812-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.190	0.330	2.00	mg/L	U	E300.0
2D10812-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D11407
Calibration: 2114001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D11407-ICB1	Nitrate/Nitrite as N	-0.05991	0.0500	0.300	mg/L	J	E353.2
2D11407-CCB1	Nitrate/Nitrite as N	-0.0388	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D11412
Calibration: 2114005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D11412-ICB1	Ammonia as N	-0.004897	0.110	0.300	mg/L	U	SM4500NH3BG
2D11412-CCB1	Ammonia as N	-0.0124	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_049
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D11618
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D11618-CCB1	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2D11618-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
2D11618-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
2D11618-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
2D11618-CCB5	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
2D11618-CCB6	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
2D11618-CCB7	Chloride	0.0780	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

SM4500NH3BG

GW0500

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D09802

% Solids:

Source Sample Name: **1204038-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	5.417	108		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0523

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D09813

% Solids:

Source Sample Name: **1204038-17**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.646	106		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.651	106	0.208		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0500

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D09823

% Solids:

Source Sample Name: **1204038-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	109.6	218.8	98.3		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	217.0	96.6	0.828		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0529

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D12007

% Solids:

Source Sample Name: **1204054-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	83.23	196.7	102		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	196.7	102	0.00		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0500

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D12010

% Solids:

Source Sample Name: **1204038-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	23.74	48.82	90.3		80 - 120
Sulfate as SO4	27.78	31.16	55.87	89.0		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	51.53	100	5.40		20	80 - 120
Sulfate as SO4	27.78	58.31	97.7	4.27		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0529

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D16002

% Solids:

Source Sample Name: **1204054-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Ammonia as N	5.000	ND	4.748	95.0		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0523

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D16010

% Solids:

Source Sample Name: **1204038-17**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	9.953	39.04	105		80 - 120
Sulfate as SO4	27.78	30.54	58.68	101		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	35.58	92.3	9.26		20	80 - 120
Sulfate as SO4	27.78	55.49	89.8	5.59		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0605

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D16011

% Solids:

Source Sample Name: **1204063-09**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	ND	2.904	116	N	90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.913	117	0.292	N	20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0505

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D17004

% Solids:

Source Sample Name: **1204063-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	175.4	286.0	99.6		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	285.6	99.1	0.158		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0548

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D18008

% Solids:

Source Sample Name: **1204074-05**

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	97.85	212.5	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	211.6	102	0.426		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0544

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D24014

% Solids:

Source Sample Name: **1204054-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	32.06	60.38	102		80 - 120
Sulfate as SO4	27.78	49.74	77.86	101		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	61.33	105	1.56		20	80 - 120
Sulfate as SO4	27.78	78.47	103	0.775		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0506

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D24014

% Solids:

Source Sample Name: **1204063-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	16.62	44.65	101		80 - 120
Sulfate as SO4	27.78	32.20	59.83	99.5		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	44.18	99.2	1.05		20	80 - 120
Sulfate as SO4	27.78	59.17	97.1	1.12		20	80 - 120

GW0501

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2D09802
Preparation: pNone
Source Sample Name: GW0501

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D09802-DUP1
Lab Source ID: 1204038-03
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.300 U	0.300 U			SM4500NH3BG

DUPLICATES

GW0500

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2D12010
Preparation: pNone
Source Sample Name: GW0500

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D12010-DUP1
Lab Source ID: 1204038-01
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	23.7	23.97	0.947		E300.0
Sulfate as SO4	20	31.2	31.55	1.23		E300.0

GW0544

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2D16002
Preparation: pNone
Source Sample Name: GW0544

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D16002-DUP1
Lab Source ID: 1204054-03
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.300 U	0.300 U			SM4500NH3BG

GW0523

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2D16010
Preparation: pNone
Source Sample Name: GW0523

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D16010-DUP1
Lab Source ID: 1204038-17
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	9.95	9.825	1.29		E300.0
Sulfate as SO4	20	30.5	30.08	1.51		E300.0

DUPLICATES

GW0544

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2D24014
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0544

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D24014-DUP1
Lab Source ID: 1204054-03
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	32.1	32.18	0.383		E300.0
Sulfate as SO4	20	49.7	49.89	0.285		E300.0

GW0506

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2D24014
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0506

SDG: Kirtland_049
Project: Kirtland AFB 2011
Laboratory ID: 2D24014-DUP2
Lab Source ID: 1204063-03
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	16.6	16.42	1.20		E300.0
Sulfate as SO4	20	32.2	31.99	0.645		E300.0

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D09802	Laboratory ID:	2D09802-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	5.054	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D09813	Laboratory ID:	2D09813-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	1.691	100	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D09822	Laboratory ID:	2D09822-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	800.0	766.7	95.8	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	800.0	650.0	81.3	16.5	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D09823	Laboratory ID:	2D09823-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1029	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D10114	Laboratory ID:	2D10114-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	1017	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D12007	Laboratory ID:	2D12007-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	1039	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D12010	Laboratory ID:	2D12010-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	5.117	107	90 - 110
Sulfate as SO4	24.00	25.28	105	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16002	Laboratory ID:	2D16002-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	4.901	98.0	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16010	Laboratory ID:	2D16010-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	5.256	110	90 - 110
Sulfate as SO4	24.00	25.43	106	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16011	Laboratory ID:	2D16011-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	1.761	104	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D16018	Laboratory ID:	2D16018-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	800.0	800.0	100	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	800.0	700.0	87.5	13.3	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D17004	Laboratory ID:	2D17004-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	1050	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D18008	Laboratory ID:	2D18008-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	1045	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D18018	Laboratory ID:	2D18018-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	800.0	700.0	87.5	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	800.0	733.3	91.7	4.65	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D19002	Laboratory ID:	2D19002-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	5.177	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D23019	Laboratory ID:	2D23019-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	1.729	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D24014	Laboratory ID:	2D24014-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	4.790	99.8	90 - 110
Sulfate as SO4	24.00	24.83	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D24024	Laboratory ID:	2D24024-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	4.837	101	90 - 110
Sulfate as SO4	24.00	24.28	101	90 - 110

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D09802 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/09/12 06:38	100.00	100.00
GW0501	1204038-03	04/09/12 06:38	100.00	100.00
GW0502	1204038-05	04/09/12 06:38	100.00	100.00
GW0503	1204038-07	04/09/12 06:38	100.00	100.00
GW0504	1204038-09	04/09/12 06:38	100.00	100.00
GW0520	1204038-11	04/09/12 06:38	100.00	100.00
GW0521	1204038-13	04/09/12 06:38	100.00	100.00
GW0522	1204038-15	04/09/12 06:38	100.00	100.00
GW0523	1204038-17	04/09/12 06:38	100.00	100.00
Blank	2D09802-BLK1	04/09/12 06:38	100.00	100.00
LCS	2D09802-BS1	04/09/12 06:38	100.00	100.00
GW0501	2D09802-DUP1	04/09/12 06:38	100.00	100.00
GW0500	2D09802-MS1	04/09/12 06:38	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D09813 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/09/12 08:57	4.00	20.00
GW0501	1204038-03	04/09/12 08:57	4.00	20.00
GW0502	1204038-05	04/09/12 08:57	4.00	20.00
GW0503	1204038-07	04/09/12 08:57	4.00	20.00
GW0504	1204038-09	04/09/12 08:57	4.00	20.00
GW0520	1204038-11	04/09/12 08:57	4.00	20.00
GW0521	1204038-13	04/09/12 08:57	4.00	20.00
GW0522	1204038-15	04/09/12 08:57	4.00	20.00
GW0523	1204038-17	04/09/12 08:57	4.00	20.00
Blank	2D09813-BLK1	04/09/12 08:57	20.00	20.00
LCS	2D09813-BS1	04/09/12 08:57	20.00	20.00
GW0523	2D09813-MS1	04/09/12 08:57	4.00	20.00
GW0523	2D09813-MSD1	04/09/12 08:57	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D09822 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/09/12 10:57	275.00	200.00
GW0501	1204038-03	04/09/12 10:57	275.00	200.00
GW0502	1204038-05	04/09/12 10:57	270.00	200.00
GW0503	1204038-07	04/09/12 10:57	275.00	200.00
GW0504	1204038-09	04/09/12 10:57	280.00	200.00
GW0520	1204038-11	04/09/12 10:57	280.00	200.00
GW0521	1204038-13	04/09/12 10:57	295.00	200.00
GW0522	1204038-15	04/09/12 10:57	275.00	200.00
GW0523	1204038-17	04/09/12 10:57	290.00	200.00
Blank	2D09822-BLK1	04/09/12 10:57	250.00	200.00
LCS	2D09822-BS1	04/09/12 10:57	3.00	250.00
LCS Dup	2D09822-BSD1	04/09/12 10:57	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D09823 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/09/12 11:46	25.00	25.00
GW0501	1204038-03	04/09/12 11:46	25.00	25.00
GW0502	1204038-05	04/09/12 11:46	25.00	25.00
GW0503	1204038-07	04/09/12 11:46	25.00	25.00
GW0504	1204038-09	04/09/12 11:46	25.00	25.00
Blank	2D09823-BLK1	04/09/12 11:46	25.00	25.00
LCS	2D09823-BS1	04/09/12 11:46	5.00	25.00
GW0500	2D09823-MS1	04/09/12 11:46	22.50	25.00
GW0500	2D09823-MSD1	04/09/12 11:46	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D10114 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0520	1204038-11	04/10/12 11:34	25.00	25.00
GW0521	1204038-13	04/10/12 11:34	25.00	25.00
GW0522	1204038-15	04/10/12 11:34	25.00	25.00
GW0523	1204038-17	04/10/12 11:34	25.00	25.00
Blank	2D10114-BLK1	04/10/12 11:34	25.00	25.00
LCS	2D10114-BS1	04/10/12 11:34	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D12007 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/12/12 08:13	25.00	25.00
GW0544	1204054-03	04/12/12 08:13	25.00	25.00
GW0545	1204054-05	04/12/12 08:13	25.00	25.00
GW0546	1204054-07	04/12/12 08:13	25.00	25.00
GW0590	1204054-09	04/12/12 08:13	25.00	25.00
GW0591	1204054-11	04/12/12 08:13	25.00	25.00
GW0592	1204054-13	04/12/12 08:13	25.00	25.00
GW0597	1204054-15	04/12/12 08:13	25.00	25.00
GW0598	1204054-17	04/12/12 08:13	25.00	25.00
GW0604	1204054-19	04/12/12 08:13	25.00	25.00
Blank	2D12007-BLK1	04/12/12 08:13	25.00	25.00
LCS	2D12007-BS1	04/12/12 08:13	5.00	25.00
GW0529	2D12007-MS1	04/12/12 08:13	22.50	25.00
GW0529	2D12007-MSD1	04/12/12 08:13	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D12010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0500	1204038-01	04/12/12 11:48	5.00	5.00
GW0501	1204038-03	04/12/12 11:48	5.00	5.00
GW0502	1204038-05	04/12/12 11:48	5.00	5.00
GW0503	1204038-07	04/12/12 11:48	5.00	5.00
GW0504	1204038-09	04/12/12 11:48	5.00	5.00
Blank	2D12010-BLK1	04/12/12 11:48	5.00	5.00
LCS	2D12010-BS1	04/12/12 11:48	5.00	5.00
GW0500	2D12010-DUP1	04/12/12 11:48	5.00	5.00
GW0500	2D12010-MS1	04/12/12 11:48	22.50	25.00
GW0500	2D12010-MSD1	04/12/12 11:48	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D16002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/16/12 06:26	100.00	100.00
GW0544	1204054-03	04/16/12 06:26	100.00	100.00
GW0545	1204054-05	04/16/12 06:26	100.00	100.00
GW0546	1204054-07	04/16/12 06:26	100.00	100.00
GW0590	1204054-09	04/16/12 06:26	100.00	100.00
GW0591	1204054-11	04/16/12 06:26	100.00	100.00
GW0592	1204054-13	04/16/12 06:26	100.00	100.00
GW0597	1204054-15	04/16/12 06:26	100.00	100.00
GW0505	1204063-01	04/16/12 06:26	100.00	100.00
GW0506	1204063-03	04/16/12 06:26	100.00	100.00
GW0510	1204063-05	04/16/12 06:26	100.00	100.00
GW0596	1204063-07	04/16/12 06:26	100.00	100.00
GW0605	1204063-09	04/16/12 06:26	100.00	100.00
Blank	2D16002-BLK1	04/16/12 06:26	100.00	100.00
LCS	2D16002-BS1	04/16/12 06:26	100.00	100.00
GW0544	2D16002-DUP1	04/16/12 06:26	100.00	100.00
GW0529	2D16002-MS1	04/16/12 06:26	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D16010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0520	1204038-11	04/16/12 09:09	5.00	5.00
GW0521	1204038-13	04/16/12 09:09	5.00	5.00
GW0522	1204038-15	04/16/12 09:09	5.00	5.00
GW0523	1204038-17	04/16/12 09:09	5.00	5.00
Blank	2D16010-BLK1	04/16/12 09:09	5.00	5.00
LCS	2D16010-BS1	04/16/12 09:09	5.00	5.00
GW0523	2D16010-DUP1	04/16/12 09:09	5.00	5.00
GW0523	2D16010-MS1	04/16/12 09:09	22.50	25.00
GW0523	2D16010-MSD1	04/16/12 09:09	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D16011 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/16/12 09:31	4.00	20.00
GW0544	1204054-03	04/16/12 09:31	4.00	20.00
GW0545	1204054-05	04/16/12 09:31	4.00	20.00
GW0546	1204054-07	04/16/12 09:31	4.00	20.00
GW0590	1204054-09	04/16/12 09:31	4.00	20.00
GW0591	1204054-11	04/16/12 09:31	4.00	20.00
GW0592	1204054-13	04/16/12 09:31	4.00	20.00
GW0597	1204054-15	04/16/12 09:31	4.00	20.00
GW0598	1204054-17	04/16/12 09:31	4.00	20.00
GW0604	1204054-19	04/16/12 09:31	4.00	20.00
GW0505	1204063-01	04/16/12 09:31	4.00	20.00
GW0506	1204063-03	04/16/12 09:31	4.00	20.00
GW0510	1204063-05	04/16/12 09:31	4.00	20.00
GW0596	1204063-07	04/16/12 09:31	4.00	20.00
GW0605	1204063-09	04/16/12 09:31	4.00	20.00
Blank	2D16011-BLK1	04/16/12 09:31	20.00	20.00
LCS	2D16011-BS1	04/16/12 09:31	20.00	20.00
GW0605	2D16011-MS1	04/16/12 09:31	4.00	20.00
GW0605	2D16011-MSD1	04/16/12 09:31	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D16018 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/16/12 12:01	290.00	200.00
GW0544	1204054-03	04/16/12 12:01	290.00	200.00
GW0545	1204054-05	04/16/12 12:01	295.00	200.00
GW0546	1204054-07	04/16/12 12:01	290.00	200.00
GW0590	1204054-09	04/16/12 12:01	290.00	200.00
GW0591	1204054-11	04/16/12 12:01	290.00	200.00
GW0592	1204054-13	04/16/12 12:01	290.00	200.00
GW0597	1204054-15	04/16/12 12:01	270.00	200.00
GW0598	1204054-17	04/16/12 12:01	290.00	200.00
GW0604	1204054-19	04/16/12 12:01	290.00	200.00
GW0505	1204063-01	04/16/12 12:01	290.00	200.00
GW0596	1204063-07	04/16/12 12:01	290.00	200.00
Blank	2D16018-BLK1	04/16/12 12:01	250.00	200.00
LCS	2D16018-BS1	04/16/12 12:01	3.00	250.00
LCS Dup	2D16018-BSD1	04/16/12 12:01	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D17004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0505	1204063-01	04/17/12 06:43	25.00	25.00
GW0506	1204063-03	04/17/12 06:43	25.00	25.00
GW0510	1204063-05	04/17/12 06:43	25.00	25.00
GW0596	1204063-07	04/17/12 06:43	25.00	25.00
GW0605	1204063-09	04/17/12 06:43	25.00	25.00
GW0527	1204074-01	04/17/12 06:43	25.00	25.00
GW0547	1204074-03	04/17/12 06:43	25.00	25.00
Blank	2D17004-BLK1	04/17/12 06:43	25.00	25.00
LCS	2D17004-BS1	04/17/12 06:43	5.00	25.00
GW0505	2D17004-MS1	04/17/12 06:43	22.50	25.00
GW0505	2D17004-MSD1	04/17/12 06:43	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D18008 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0548	1204074-05	04/18/12 08:07	25.00	25.00
GW0549	1204074-07	04/18/12 08:07	25.00	25.00
GW0576	1204074-09	04/18/12 08:07	25.00	25.00
GW0577	1204074-11	04/18/12 08:07	25.00	25.00
GW0578	1204074-13	04/18/12 08:07	25.00	25.00
GW0579	1204074-15	04/18/12 08:07	25.00	25.00
Blank	2D18008-BLK1	04/18/12 08:07	25.00	25.00
LCS	2D18008-BS1	04/18/12 08:07	5.00	25.00
GW0548	2D18008-MS1	04/18/12 08:07	22.50	25.00
GW0548	2D18008-MSD1	04/18/12 08:07	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D18018 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0506	1204063-03	04/18/12 12:55	270.00	200.00
GW0510	1204063-05	04/18/12 12:55	295.00	200.00
GW0605	1204063-09	04/18/12 12:55	295.00	200.00
GW0527	1204074-01	04/18/12 12:55	295.00	200.00
GW0547	1204074-03	04/18/12 12:55	295.00	200.00
GW0548	1204074-05	04/18/12 12:55	290.00	200.00
GW0549	1204074-07	04/18/12 12:55	270.00	200.00
GW0576	1204074-09	04/18/12 12:55	290.00	200.00
GW0577	1204074-11	04/18/12 12:55	290.00	200.00
GW0578	1204074-13	04/18/12 12:55	270.00	200.00
GW0579	1204074-15	04/18/12 12:55	290.00	200.00
Blank	2D18018-BLK1	04/18/12 12:55	250.00	200.00
LCS	2D18018-BS1	04/18/12 12:55	3.00	250.00
LCS Dup	2D18018-BSD1	04/18/12 12:55	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D19002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0598	1204054-17	04/19/12 06:32	100.00	100.00
GW0604	1204054-19	04/19/12 06:32	100.00	100.00
GW0527	1204074-01	04/19/12 06:32	100.00	100.00
GW0547	1204074-03	04/19/12 06:32	100.00	100.00
GW0548	1204074-05	04/19/12 06:32	100.00	100.00
GW0549	1204074-07	04/19/12 06:32	100.00	100.00
GW0576	1204074-09	04/19/12 06:32	100.00	100.00
GW0577	1204074-11	04/19/12 06:32	100.00	100.00
GW0578	1204074-13	04/19/12 06:32	100.00	100.00
GW0579	1204074-15	04/19/12 06:32	100.00	100.00
Blank	2D19002-BLK1	04/19/12 06:32	100.00	100.00
LCS	2D19002-BS1	04/19/12 06:32	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D23019 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0527	1204074-01	04/23/12 09:45	4.00	20.00
GW0547	1204074-03	04/23/12 09:45	4.00	20.00
GW0548	1204074-05	04/23/12 09:45	4.00	20.00
GW0549	1204074-07	04/23/12 09:45	4.00	20.00
GW0576	1204074-09	04/23/12 09:45	4.00	20.00
GW0577	1204074-11	04/23/12 09:45	4.00	20.00
GW0578	1204074-13	04/23/12 09:45	4.00	20.00
GW0579	1204074-15	04/23/12 09:45	4.00	20.00
Blank	2D23019-BLK1	04/23/12 09:45	20.00	20.00
LCS	2D23019-BS1	04/23/12 09:45	20.00	20.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D24014 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0529	1204054-01	04/24/12 10:50	5.00	5.00
GW0544	1204054-03	04/24/12 10:50	5.00	5.00
GW0545	1204054-05	04/24/12 10:50	5.00	5.00
GW0546	1204054-07	04/24/12 10:50	5.00	5.00
GW0590	1204054-09	04/24/12 10:50	5.00	5.00
GW0591	1204054-11	04/24/12 10:50	5.00	5.00
GW0592	1204054-13	04/24/12 10:50	5.00	5.00
GW0597	1204054-15	04/24/12 10:50	5.00	5.00
GW0598	1204054-17	04/24/12 10:50	5.00	5.00
GW0604	1204054-19	04/24/12 10:50	5.00	5.00
GW0505	1204063-01	04/24/12 10:50	5.00	5.00
GW0506	1204063-03	04/24/12 10:50	5.00	5.00
GW0510	1204063-05	04/24/12 10:50	5.00	5.00
GW0596	1204063-07	04/24/12 10:50	5.00	5.00
GW0605	1204063-09	04/24/12 10:50	5.00	5.00
GW0527	1204074-01	04/24/12 10:50	5.00	5.00
GW0547	1204074-03	04/24/12 10:50	5.00	5.00
GW0548	1204074-05	04/24/12 10:50	5.00	5.00
GW0549	1204074-07	04/24/12 10:50	5.00	5.00
GW0576	1204074-09	04/24/12 10:50	5.00	5.00
Blank	2D24014-BLK1	04/24/12 10:50	5.00	5.00
LCS	2D24014-BS1	04/24/12 10:50	5.00	5.00
GW0544	2D24014-DUP1	04/24/12 10:50	5.00	5.00
GW0506	2D24014-DUP2	04/24/12 10:50	5.00	5.00
GW0544	2D24014-MS1	04/24/12 10:50	22.50	25.00
GW0506	2D24014-MS2	04/24/12 10:50	22.50	25.00
GW0544	2D24014-MSD1	04/24/12 10:50	22.50	25.00
GW0506	2D24014-MSD2	04/24/12 10:50	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_049

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

Batch: 2D24024 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0577	1204074-11	04/24/12 16:25	5.00	5.00
GW0578	1204074-13	04/24/12 16:25	5.00	5.00
GW0579	1204074-15	04/24/12 16:25	5.00	5.00
Blank	2D24024-BLK1	04/24/12 16:25	5.00	5.00
LCS	2D24024-BS1	04/24/12 16:25	5.00	5.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2D09823-BS1	040912-003	04/09/12 13:57
Blank	2D09823-BLK1	040912-004	04/09/12 14:09
GW0500	2D09823-MS1	040912-005	04/09/12 14:15
GW0500	2D09823-MSD1	040912-006	04/09/12 14:20
LCS	2D10114-BS1	041012-003	04/10/12 12:37
Blank	2D10114-BLK1	041012-004	04/10/12 12:45
LCS	2D12007-BS1	041212-003	04/12/12 08:39
Blank	2D12007-BLK1	041212-004	04/12/12 08:48
GW0529	2D12007-MS1	041212-005	04/12/12 08:55
GW0529	2D12007-MSD1	041212-006	04/12/12 09:06
LCS	2D17004-BS1	041712-003	04/17/12 07:50
Blank	2D17004-BLK1	041712-004	04/17/12 08:03
GW0505	2D17004-MS1	041712-005	04/17/12 08:08
GW0505	2D17004-MSD1	041712-006	04/17/12 08:21
LCS	2D18008-BS1	041812-003	04/18/12 08:28
Blank	2D18008-BLK1	041812-004	04/18/12 08:38
GW0548	2D18008-MS1	041812-005	04/18/12 08:41
GW0548	2D18008-MSD1	041812-006	04/18/12 08:49

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_049

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2D09822-BS1	040912-002	04/09/12 17:15
LCS Dup	2D09822-BSD1	040912-003	04/09/12 17:16
Blank	2D09822-BLK1	040912-004	04/09/12 17:17
LCS	2D16018-BS1	041612-002	04/16/12 14:00
LCS Dup	2D16018-BSD1	041612-003	04/16/12 14:01
Blank	2D16018-BLK1	041612-004	04/16/12 14:02
LCS	2D18018-BS1	041812-002	04/18/12 14:00
LCS Dup	2D18018-BSD1	041812-003	04/18/12 14:01
Blank	2D18018-BLK1	041812-004	04/18/12 14:02

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1L33502	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1L33502-CAL1	112911-003	11/29/11 18:23
Cal Standard	1L33502-CAL2	112911-004	11/29/11 18:40
Cal Standard	1L33502-CAL3	112911-005	11/29/11 18:57
Cal Standard	1L33502-CAL4	112911-006	11/29/11 19:15
Cal Standard	1L33502-CAL5	112911-007	11/29/11 19:32
Cal Standard	1L33502-CAL6	112911-008	11/29/11 19:50
Cal Standard	1L33502-CAL7	112911-009	11/29/11 20:07
Cal Standard	1L33502-CAL8	112911-010	11/29/11 20:24
Initial Cal Check	1L33502-ICV1	112911-011	11/29/11 20:42
Initial Cal Blank	1L33502-ICB1	112911-012	11/29/11 20:59

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10006	Instrument:	WC-Lachat
Calibration:	2100001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10006-CAL1	)M_4-9-2012_09-49-02AM-00	04/09/12 09:51
Cal Standard	2D10006-CAL2	)M_4-9-2012_09-49-02AM-00	04/09/12 09:52
Cal Standard	2D10006-CAL3	)M_4-9-2012_09-49-02AM-00	04/09/12 09:54
Cal Standard	2D10006-CAL4	)M_4-9-2012_09-49-02AM-00	04/09/12 09:55
Cal Standard	2D10006-CAL5	)M_4-9-2012_09-49-02AM-00	04/09/12 09:56
Cal Standard	2D10006-CAL6	)M_4-9-2012_09-49-02AM-00	04/09/12 09:58
Cal Standard	2D10006-CAL7	)M_4-9-2012_09-49-02AM-00	04/09/12 09:59
Cal Standard	2D10006-CAL8	)M_4-9-2012_09-49-02AM-00	04/09/12 10:01
Initial Cal Check	2D10006-ICV1	)M_4-9-2012_09-49-02AM-00	04/09/12 10:02
Initial Cal Blank	2D10006-ICB1	)M_4-9-2012_09-49-02AM-01	04/09/12 10:04
Blank	2D09813-BLK1	)M_4-9-2012_09-49-02AM-01	04/09/12 10:07
LCS	2D09813-BS1	)M_4-9-2012_09-49-02AM-01	04/09/12 10:11
Calibration Check	2D10006-CCV1	)M_4-9-2012_09-49-02AM-01	04/09/12 10:15
Calibration Blank	2D10006-CCB1	)M_4-9-2012_09-49-02AM-01	04/09/12 10:17
GW0500	1204038-01	)M_4-9-2012_09-49-02AM-02	04/09/12 10:18
GW0501	1204038-03	)M_4-9-2012_09-49-02AM-02	04/09/12 10:20
GW0502	1204038-05	)M_4-9-2012_09-49-02AM-02	04/09/12 10:21
GW0503	1204038-07	)M_4-9-2012_09-49-02AM-02	04/09/12 10:23
GW0504	1204038-09	)M_4-9-2012_09-49-02AM-02	04/09/12 10:24
GW0520	1204038-11	)M_4-9-2012_09-49-02AM-02	04/09/12 10:25
GW0521	1204038-13	)M_4-9-2012_09-49-02AM-02	04/09/12 10:27
GW0522	1204038-15	)M_4-9-2012_09-49-02AM-02	04/09/12 10:28
GW0523	1204038-17	)M_4-9-2012_09-49-02AM-02	04/09/12 10:30
GW0523	2D09813-MS1	)M_4-9-2012_09-49-02AM-02	04/09/12 10:31
GW0523	2D09813-MSD1	)M_4-9-2012_09-49-02AM-03	04/09/12 10:33
Calibration Check	2D10006-CCV2	)M_4-9-2012_09-49-02AM-03	04/09/12 10:34
Calibration Blank	2D10006-CCB2	)M_4-9-2012_09-49-02AM-03	04/09/12 10:36

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10009	Instrument:	WC-Lachat
Calibration:	2100002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10009-CAL1	)M_4-9-2012_11-46-39AM-00	04/09/12 11:48
Cal Standard	2D10009-CAL2	)M_4-9-2012_11-46-39AM-00	04/09/12 11:49
Cal Standard	2D10009-CAL3	)M_4-9-2012_11-46-39AM-00	04/09/12 11:49
Cal Standard	2D10009-CAL4	)M_4-9-2012_11-46-39AM-00	04/09/12 11:50
Cal Standard	2D10009-CAL5	)M_4-9-2012_11-46-39AM-00	04/09/12 11:51
Cal Standard	2D10009-CAL6	)M_4-9-2012_11-46-39AM-00	04/09/12 11:52
Cal Standard	2D10009-CAL7	)M_4-9-2012_11-46-39AM-00	04/09/12 11:53
Cal Standard	2D10009-CAL8	)M_4-9-2012_11-46-39AM-00	04/09/12 11:54
Initial Cal Check	2D10009-ICV1	)M_4-9-2012_11-46-39AM-00	04/09/12 11:55
Initial Cal Blank	2D10009-ICB1	)M_4-9-2012_11-46-39AM-01	04/09/12 11:56
Blank	2D09802-BLK1	)M_4-9-2012_11-46-39AM-01	04/09/12 11:57
LCS	2D09802-BS1	)M_4-9-2012_11-46-39AM-01	04/09/12 11:58
GW0500	1204038-01	)M_4-9-2012_11-46-39AM-02	04/09/12 12:07
Calibration Check	2D10009-CCV1	)M_4-9-2012_11-46-39AM-02	04/09/12 12:08
GW0500	2D09802-MS1	)M_4-9-2012_11-46-39AM-02	04/09/12 12:08
Calibration Blank	2D10009-CCB1	)M_4-9-2012_11-46-39AM-02	04/09/12 12:09
GW0501	1204038-03	)M_4-9-2012_11-46-39AM-02	04/09/12 12:10
GW0501	2D09802-DUP1	)M_4-9-2012_11-46-39AM-02	04/09/12 12:11
GW0502	1204038-05	)M_4-9-2012_11-46-39AM-02	04/09/12 12:12
GW0503	1204038-07	)M_4-9-2012_11-46-39AM-02	04/09/12 12:13
GW0504	1204038-09	)M_4-9-2012_11-46-39AM-02	04/09/12 12:14
GW0520	1204038-11	)M_4-9-2012_11-46-39AM-03	04/09/12 12:15
GW0521	1204038-13	)M_4-9-2012_11-46-39AM-03	04/09/12 12:16
GW0522	1204038-15	)M_4-9-2012_11-46-39AM-03	04/09/12 12:17
GW0523	1204038-17	)M_4-9-2012_11-46-39AM-03	04/09/12 12:18
Calibration Check	2D10009-CCV2	)M_4-9-2012_11-46-39AM-03	04/09/12 12:19
Calibration Blank	2D10009-CCB2	)M_4-9-2012_11-46-39AM-03	04/09/12 12:20

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10405	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10405-CCV1	041212-004	04/12/12 16:56
Calibration Blank	2D10405-CCB1	041212-005	04/12/12 17:14
Instrument RL Check	2D10405-CRL1	041212-006	04/12/12 17:31
LCS	2D12010-BS1	041212-009	04/12/12 18:24
Blank	2D12010-BLK1	041212-010	04/12/12 18:41
GW0500	1204038-01	041212-017	04/12/12 20:43
GW0500	2D12010-MS1	041212-018	04/12/12 21:01
GW0500	2D12010-MSD1	041212-019	04/12/12 21:18
GW0500	2D12010-DUP1	041212-020	04/12/12 21:35
Calibration Check	2D10405-CCV2	041212-021	04/12/12 21:53
Calibration Blank	2D10405-CCB2	041212-022	04/12/12 22:10
GW0501	1204038-03	041212-023	04/12/12 22:28
GW0502	1204038-05	041212-024	04/12/12 22:45
GW0503	1204038-07	041212-025	04/12/12 23:03
GW0504	1204038-09	041212-026	04/12/12 23:20
Calibration Check	2D10405-CCV3	041212-029	04/13/12 00:12
Calibration Blank	2D10405-CCB3	041212-030	04/13/12 00:30

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10706	Instrument:	WC-Lachat
Calibration:	2107002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10706-CAL1	M_4-16-2012_11-16-54AM-00	04/16/12 11:18
Cal Standard	2D10706-CAL2	M_4-16-2012_11-16-54AM-00	04/16/12 11:20
Cal Standard	2D10706-CAL3	M_4-16-2012_11-16-54AM-00	04/16/12 11:21
Cal Standard	2D10706-CAL4	M_4-16-2012_11-16-54AM-00	04/16/12 11:23
Cal Standard	2D10706-CAL5	M_4-16-2012_11-16-54AM-00	04/16/12 11:24
Cal Standard	2D10706-CAL6	M_4-16-2012_11-16-54AM-00	04/16/12 11:26
Cal Standard	2D10706-CAL7	M_4-16-2012_11-16-54AM-00	04/16/12 11:27
Cal Standard	2D10706-CAL8	M_4-16-2012_11-16-54AM-00	04/16/12 11:29
Initial Cal Check	2D10706-ICV1	M_4-16-2012_11-16-54AM-00	04/16/12 11:30
Initial Cal Blank	2D10706-ICB1	M_4-16-2012_11-16-54AM-01	04/16/12 11:32
Blank	2D16011-BLK1	M_4-16-2012_11-16-54AM-01	04/16/12 11:34
LCS	2D16011-BS1	M_4-16-2012_11-16-54AM-01	04/16/12 11:36
GW0529	1204054-01	M_4-16-2012_11-16-54AM-01	04/16/12 11:37
GW0544	1204054-03	M_4-16-2012_11-16-54AM-01	04/16/12 11:39
GW0545	1204054-05	M_4-16-2012_11-16-54AM-01	04/16/12 11:40
GW0546	1204054-07	M_4-16-2012_11-16-54AM-01	04/16/12 11:42
GW0590	1204054-09	M_4-16-2012_11-16-54AM-01	04/16/12 11:43
GW0591	1204054-11	M_4-16-2012_11-16-54AM-01	04/16/12 11:45
GW0592	1204054-13	M_4-16-2012_11-16-54AM-02	04/16/12 11:46
GW0597	1204054-15	M_4-16-2012_11-16-54AM-02	04/16/12 11:47
GW0598	1204054-17	M_4-16-2012_11-16-54AM-02	04/16/12 11:49
GW0604	1204054-19	M_4-16-2012_11-16-54AM-02	04/16/12 11:50
Calibration Check	2D10706-CCV1	M_4-16-2012_11-16-54AM-02	04/16/12 11:52
Calibration Blank	2D10706-CCB1	M_4-16-2012_11-16-54AM-02	04/16/12 11:53
GW0505	1204063-01	M_4-16-2012_11-16-54AM-02	04/16/12 11:55
GW0506	1204063-03	M_4-16-2012_11-16-54AM-02	04/16/12 11:56
GW0510	1204063-05	M_4-16-2012_11-16-54AM-02	04/16/12 11:58
GW0596	1204063-07	M_4-16-2012_11-16-54AM-02	04/16/12 11:59
GW0605	1204063-09	M_4-16-2012_11-16-54AM-03	04/16/12 12:01
GW0605	2D16011-MS1	M_4-16-2012_11-16-54AM-03	04/16/12 12:02
GW0605	2D16011-MSD1	M_4-16-2012_11-16-54AM-03	04/16/12 12:03
Calibration Check	2D10706-CCV2	M_4-16-2012_11-16-54AM-03	04/16/12 12:06

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10706	Instrument:	WC-Lachat
Calibration:	2107002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2D10706-CCB2	M_4-16-2012_11-16-54AM-03	04/16/12 12:08

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10711	Instrument:	WC-Lachat
Calibration:	2108001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D10711-CAL1	M_4-16-2012_03-38-16PM-00	04/16/12 15:39
Cal Standard	2D10711-CAL2	M_4-16-2012_03-38-16PM-00	04/16/12 15:40
Cal Standard	2D10711-CAL3	M_4-16-2012_03-38-16PM-00	04/16/12 15:41
Cal Standard	2D10711-CAL4	M_4-16-2012_03-38-16PM-00	04/16/12 15:42
Cal Standard	2D10711-CAL5	M_4-16-2012_03-38-16PM-00	04/16/12 15:43
Cal Standard	2D10711-CAL6	M_4-16-2012_03-38-16PM-00	04/16/12 15:44
Cal Standard	2D10711-CAL7	M_4-16-2012_03-38-16PM-00	04/16/12 15:45
Cal Standard	2D10711-CAL8	M_4-16-2012_03-38-16PM-00	04/16/12 15:46
Initial Cal Check	2D10711-ICV1	M_4-16-2012_03-38-16PM-00	04/16/12 15:47
Initial Cal Blank	2D10711-ICB1	M_4-16-2012_03-38-16PM-01	04/16/12 15:48
Blank	2D16002-BLK1	M_4-16-2012_03-38-16PM-01	04/16/12 15:49
LCS	2D16002-BS1	M_4-16-2012_03-38-16PM-01	04/16/12 15:51
GW0529	1204054-01	M_4-16-2012_03-38-16PM-01	04/16/12 15:52
GW0529	2D16002-MS1	M_4-16-2012_03-38-16PM-01	04/16/12 15:53
GW0544	1204054-03	M_4-16-2012_03-38-16PM-01	04/16/12 15:54
GW0544	2D16002-DUP1	M_4-16-2012_03-38-16PM-01	04/16/12 15:55
GW0545	1204054-05	M_4-16-2012_03-38-16PM-01	04/16/12 15:56
GW0546	1204054-07	M_4-16-2012_03-38-16PM-02	04/16/12 15:57
GW0590	1204054-09	M_4-16-2012_03-38-16PM-02	04/16/12 15:58
GW0591	1204054-11	M_4-16-2012_03-38-16PM-02	04/16/12 15:59
GW0592	1204054-13	M_4-16-2012_03-38-16PM-02	04/16/12 16:00
GW0597	1204054-15	M_4-16-2012_03-38-16PM-02	04/16/12 16:01
Calibration Check	2D10711-CCV1	M_4-16-2012_03-38-16PM-02	04/16/12 16:02
Calibration Blank	2D10711-CCB1	M_4-16-2012_03-38-16PM-02	04/16/12 16:03
GW0505	1204063-01	M_4-16-2012_03-38-16PM-03	04/16/12 16:08
GW0506	1204063-03	M_4-16-2012_03-38-16PM-03	04/16/12 16:09
GW0510	1204063-05	M_4-16-2012_03-38-16PM-03	04/16/12 16:10
GW0596	1204063-07	M_4-16-2012_03-38-16PM-03	04/16/12 16:10
GW0605	1204063-09	M_4-16-2012_03-38-16PM-03	04/16/12 16:11
Calibration Check	2D10711-CCV2	M_4-16-2012_03-38-16PM-03	04/16/12 16:15
Calibration Blank	2D10711-CCB2	M_4-16-2012_03-38-16PM-04	04/16/12 16:16

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D10812	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D10812-CCV1	041612-004	04/16/12 15:16
Calibration Blank	2D10812-CCB1	041612-005	04/16/12 15:33
Instrument RL Check	2D10812-CRL1	041612-006	04/16/12 15:51
LCS	2D16010-BS1	041612-009	04/16/12 16:43
Blank	2D16010-BLK1	041612-010	04/16/12 17:00
GW0520	1204038-11	041612-013	04/16/12 17:53
GW0521	1204038-13	041612-014	04/16/12 18:10
GW0522	1204038-15	041612-015	04/16/12 18:27
GW0523	1204038-17	041612-017	04/16/12 19:02
GW0523	2D16010-MS1	041612-018	04/16/12 19:20
GW0523	2D16010-MSD1	041612-019	04/16/12 19:37
GW0523	2D16010-DUP1	041612-020	04/16/12 19:54
Calibration Check	2D10812-CCV2	041612-021	04/16/12 20:12
Calibration Blank	2D10812-CCB2	041612-022	04/16/12 20:29

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11407	Instrument:	WC-Lachat
Calibration:	2114001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D11407-CAL1	M_4-23-2012_11-29-28AM-00	04/23/12 11:31
Cal Standard	2D11407-CAL2	M_4-23-2012_11-29-28AM-00	04/23/12 11:32
Cal Standard	2D11407-CAL3	M_4-23-2012_11-29-28AM-00	04/23/12 11:34
Cal Standard	2D11407-CAL4	M_4-23-2012_11-29-28AM-00	04/23/12 11:35
Cal Standard	2D11407-CAL5	M_4-23-2012_11-29-28AM-00	04/23/12 11:37
Cal Standard	2D11407-CAL6	M_4-23-2012_11-29-28AM-00	04/23/12 11:38
Cal Standard	2D11407-CAL7	M_4-23-2012_11-29-28AM-00	04/23/12 11:40
Cal Standard	2D11407-CAL8	M_4-23-2012_11-29-28AM-00	04/23/12 11:41
Initial Cal Check	2D11407-ICV1	M_4-23-2012_11-29-28AM-00	04/23/12 11:43
Initial Cal Blank	2D11407-ICB1	M_4-23-2012_11-29-28AM-01	04/23/12 11:44
Blank	2D23019-BLK1	M_4-23-2012_11-29-28AM-01	04/23/12 11:47
LCS	2D23019-BS1	M_4-23-2012_11-29-28AM-01	04/23/12 11:48
GW0527	1204074-01	M_4-23-2012_11-29-28AM-01	04/23/12 11:50
GW0547	1204074-03	M_4-23-2012_11-29-28AM-01	04/23/12 11:51
GW0548	1204074-05	M_4-23-2012_11-29-28AM-01	04/23/12 11:53
GW0549	1204074-07	M_4-23-2012_11-29-28AM-01	04/23/12 11:54
GW0576	1204074-09	M_4-23-2012_11-29-28AM-01	04/23/12 11:56
GW0577	1204074-11	M_4-23-2012_11-29-28AM-01	04/23/12 11:57
GW0578	1204074-13	M_4-23-2012_11-29-28AM-02	04/23/12 11:59
GW0579	1204074-15	M_4-23-2012_11-29-28AM-02	04/23/12 12:00
Calibration Check	2D11407-CCV1	M_4-23-2012_11-29-28AM-02	04/23/12 12:04
Calibration Blank	2D11407-CCB1	M_4-23-2012_11-29-28AM-02	04/23/12 12:06

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11412	Instrument:	WC-Lachat
Calibration:	2114005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D11412-CAL1	M_4-23-2012_02-24-27PM-00	04/23/12 14:25
Cal Standard	2D11412-CAL2	M_4-23-2012_02-24-27PM-00	04/23/12 14:26
Cal Standard	2D11412-CAL3	M_4-23-2012_02-24-27PM-00	04/23/12 14:27
Cal Standard	2D11412-CAL4	M_4-23-2012_02-24-27PM-00	04/23/12 14:28
Cal Standard	2D11412-CAL5	M_4-23-2012_02-24-27PM-00	04/23/12 14:29
Cal Standard	2D11412-CAL6	M_4-23-2012_02-24-27PM-00	04/23/12 14:30
Cal Standard	2D11412-CAL7	M_4-23-2012_02-24-27PM-00	04/23/12 14:31
Cal Standard	2D11412-CAL8	M_4-23-2012_02-24-27PM-00	04/23/12 14:32
Initial Cal Check	2D11412-ICV1	M_4-23-2012_02-24-27PM-00	04/23/12 14:33
Initial Cal Blank	2D11412-ICB1	M_4-23-2012_02-24-27PM-01	04/23/12 14:34
Blank	2D19002-BLK1	M_4-23-2012_02-24-27PM-01	04/23/12 14:35
LCS	2D19002-BS1	M_4-23-2012_02-24-27PM-01	04/23/12 14:36
GW0598	1204054-17	M_4-23-2012_02-24-27PM-01	04/23/12 14:37
GW0604	1204054-19	M_4-23-2012_02-24-27PM-01	04/23/12 14:38
GW0527	1204074-01	M_4-23-2012_02-24-27PM-01	04/23/12 14:39
GW0547	1204074-03	M_4-23-2012_02-24-27PM-01	04/23/12 14:40
GW0548	1204074-05	M_4-23-2012_02-24-27PM-01	04/23/12 14:41
GW0549	1204074-07	M_4-23-2012_02-24-27PM-01	04/23/12 14:41
GW0576	1204074-09	M_4-23-2012_02-24-27PM-01	04/23/12 14:42
GW0577	1204074-11	M_4-23-2012_02-24-27PM-02	04/23/12 14:43
GW0578	1204074-13	M_4-23-2012_02-24-27PM-02	04/23/12 14:44
GW0579	1204074-15	M_4-23-2012_02-24-27PM-02	04/23/12 14:45
Calibration Check	2D11412-CCV1	M_4-23-2012_02-24-27PM-02	04/23/12 14:46
Calibration Blank	2D11412-CCB1	M_4-23-2012_02-24-27PM-02	04/23/12 14:47

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11618	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D11618-CCV1	042412-003	04/24/12 11:28
Calibration Blank	2D11618-CCB1	042412-004	04/24/12 11:46
Instrument RL Check	2D11618-CRL1	042412-005	04/24/12 12:03
Calibration Check	2D11618-CCV2	042412-015	04/24/12 14:57
Calibration Blank	2D11618-CCB2	042412-016	04/24/12 15:15
Calibration Check	2D11618-CCV3	042412-029	04/24/12 19:01
Calibration Blank	2D11618-CCB3	042412-030	04/24/12 19:19
LCS	2D24014-BS1	042412-040	04/24/12 22:13
Blank	2D24014-BLK1	042412-041	04/24/12 22:30
Calibration Check	2D11618-CCV4	042412-042	04/24/12 22:48
Calibration Blank	2D11618-CCB4	042412-043	04/24/12 23:05
GW0529	1204054-01	042412-044	04/24/12 23:22
GW0544	1204054-03	042412-045	04/24/12 23:40
GW0544	2D24014-MS1	042412-046	04/24/12 23:57
GW0544	2D24014-MSD1	042412-047	04/25/12 00:15
GW0544	2D24014-DUP1	042412-048	04/25/12 00:32
GW0545	1204054-05	042412-049	04/25/12 00:50
GW0546	1204054-07	042412-050	04/25/12 01:07
GW0590	1204054-09	042412-051	04/25/12 01:24
GW0591	1204054-11	042412-052	04/25/12 01:42
GW0592	1204054-13	042412-053	04/25/12 01:59
GW0597	1204054-15	042412-054	04/25/12 02:17
GW0598	1204054-17	042412-055	04/25/12 02:34
GW0604	1204054-19	042412-056	04/25/12 02:52
Calibration Check	2D11618-CCV5	042412-057	04/25/12 03:09
Calibration Blank	2D11618-CCB5	042412-058	04/25/12 03:26
GW0505	1204063-01	042412-059	04/25/12 03:44
GW0506	1204063-03	042412-060	04/25/12 04:01
GW0506	2D24014-MS2	042412-061	04/25/12 04:19
GW0506	2D24014-MSD2	042412-062	04/25/12 04:36
GW0506	2D24014-DUP2	042412-063	04/25/12 04:54
GW0510	1204063-05	042412-064	04/25/12 05:11

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_049
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11618	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0596	1204063-07	042412-065	04/25/12 05:29
GW0605	1204063-09	042412-066	04/25/12 05:46
GW0527	1204074-01	042412-067	04/25/12 06:03
GW0547	1204074-03	042412-068	04/25/12 06:21
GW0548	1204074-05	042412-069	04/25/12 06:38
GW0549	1204074-07	042412-070	04/25/12 06:56
GW0576	1204074-09	042412-071	04/25/12 07:13
Calibration Check	2D11618-CCV6	042412-072	04/25/12 07:30
Calibration Blank	2D11618-CCB6	042412-073	04/25/12 07:48
LCS	2D24024-BS1	042412-074	04/25/12 08:05
Blank	2D24024-BLK1	042412-075	04/25/12 08:23
GW0577	1204074-11	042412-084	04/25/12 10:59
GW0578	1204074-13	042412-085	04/25/12 11:17
GW0579	1204074-15	042412-086	04/25/12 11:34
Calibration Check	2D11618-CCV7	042412-087	04/25/12 11:52
Calibration Blank	2D11618-CCB7	042412-088	04/25/12 12:09