ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_051

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

SUBMITTAL TO:
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SHAW E&I, Inc.
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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

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

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

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

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

SW8260B:
Note – Samples 1204147-03, -05, and 1204161-05 were analyzed at a 5x only due to the samples foaming on the instrument during screening.

The following batch spikes exceeded criteria:
2D26013-BS1 with a positive bias for 1,1,1-Trichloroethane

The following continuing calibration verifications exceeded criteria:
2D11801-CCV1 with a positive bias for Bromodichloromethane, Carbon Tetrachloride, Chloroform, 1,2-Dichloroethane, 1,1-Dichloroethene, 2,2-Dichloropropane, Methyl t-Butyl Ether, 1,1,1-Trichloroethane, Trichlorofluoromethane, and 1,2,3-Trichloropropane
2E12303-CCV1 with a positive bias for Dichlorodifluoromethane
2E12505-CCV1 with a negative bias for Bromomethane and Chloromethane and a positive bias for Dichlorodifluoromethane
2E12512-CCV1 with a positive bias for Dichlorodifluoromethane and a negative bias for Hexachlorobutadiene

The following blanks have positive results:
2D26013-BLK1 for Hexachlorobutadiene
2E03011-BLK1 for Hexachlorobutadiene
Note – The concentrations for Hexachlorobutadiene in the method blanks are less than ½ the LOQ.

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

SW8270C BNA:
The following surrogates exceeded criteria:
Terphenyl-d14 with a negative bias in 1204161-01
Note – All surrogates were diluted out in sample 1204161-01RE1

The following batch spikes exceeded criteria:
2D30008-BS1/BSD1 with a negative bias for Caprolactam and exceeded relative percent difference criteria for 2,4-Dinitrophenol
2E01006-BS1/BSD1 with a positive bias for Butylbenzylphthalate

The following matrix spikes exceeded criteria:
2D26007-MSD1 (1204139-03) with a negative bias for Caprolactam

The following continuing calibration verifications exceeded criteria:
2D12107-CCV1 with a positive bias for 2,4-Dinitrotoluene, Bis(2-ethylhexyl)phthalate, Hexachlorocyclopentadiene, and 2-Nitrophenol
2D12107-CCV2 with a positive bias for Benzidine
2D12113-CCV1 with a positive bias for 4,6-Dinitro-2-methylphenol, 2,4-Dinitrotoluene,

Bis(2-ethylhexyl)phthalate, Hexachlorocyclopentadiene, 2-Nitrophenol, and 2,4,6-Tribromophenol
2D12113-CCV2 with a positive bias for Benzidine
2E12911-CCV2 with a positive bias for Benzidine
2E13010-CCV1 with a positive bias for Nitrobenzene-d5 and 2,4,6-Tribromophenol

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

SW8015B DRO:
The following surrogate exceeded the retention time window:
o-Terphenyl in 2D27002-MSD1, 1204139-05, -07, 2E12207-CCV3, and 2E13005-CCV2; note – the result bias due to the retention time shift was determined to be negligible for all affected samples and QC.

No additional anomalies or deviations are noted.

SW8015B GRO:
No anomalies or deviations are noted.

SW8011:
No anomalies or deviations are noted.

SW6010B:
The following compounds are qualified with an M to indicate that the LOD and/or DL were raised due to interference:
Lead in 1204161-01, -05, 1204164-03, -05, and -07

The following post spike exceeded criteria:
2E07010-PS1 (1204139-03) with a positive bias for Calcium and Sodium

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

Wet Chemistry:
The following blanks have a reported concentration:
2E08013-BLK1 for Nitrate/Nitrite
2E12211-CCB5 for Chloride
2E12909-CCB2 for Nitrate/Nitrite

The following matrix spikes exceeded criteria:
2E08013-MS1/MSD1 (124139-03) with a positive bias for Nitrate/Nitrite

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

1204127

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW195

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

Samples Shipment Date: 23 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617762

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

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

Special Instructions:

Possible Hazard Indentification:

Non-hazard ✓ Flammable Skin Irritant Poison B Unknown Radiological

1. Relinquished By (Signature/Affiliation) Date: 4/23/12 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

Sample Disposal:

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

1. Received By (Signature/Affiliation) Date: 04-24-12 Time: 0820
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
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Kirtland_051_Summ Package 12

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW195

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0541	KAFB-106039-WG-GW0541-REG	23 APR 2012	12:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0542	KAFB-106040-WG-GW0542-REG	23 APR 2012	10:24	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0620	KAFB-106106-WG-GW0620-REG	23 APR 2012	9:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

1204127

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW195

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0621	KAFB-106106-WG-GW0621-FD	23 APR 2012	9:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0622	KAFB-106107-WG-GW0622-REG	23 APR 2012	12:59	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW8195-TB	FIELDQC-BW-GW8195-TB-TB	23 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 04/24/12 @ 0820

WO# 1204127

1. Tracking # 7762 (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 JD 4-24-12

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_ 04/24/12 @ 0820

1. Tracking #_____2773_____(last 4 digits, FedEx) WO# 1204127

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) _____

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_ 04/24/12 @ 0820

1. Tracking #_____7784_____(last 4 digits, FedEx) WO# 1204127

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.4 *Degrees Celsius + correction factor - 0.2* 2.2

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

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

If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

1204139

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW196

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

Samples Shipment Date: 24 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617795

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

1. Relinquished By (Signature/Affiliation) Shaw — Date: 4/24/12 Time: 1600
2. Relinquished By (Signature/Affiliation) — Date: Time:
3. Relinquished By (Signature/Affiliation) — Date: Time:

Sample Disposal:
Return to Client Disposal by Lab ✓ Archive (mos.) 25 SD

1. Received By (Signature/Affiliation) jack deWolf jr. — Date: 4-~~26~~-12 Time: 0835
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 GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B ✓			N		
GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011 ✓			N		
GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B ✓			N		
GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B ✓			N		
GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, ✓ Alkalinity by SM2320B ✓			N		
GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF ✓			N		
GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C ✓			N		
GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, ✓			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW196

	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	GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0540	KAFB-106038-WG-GW0540-REG	23 APR 2012	15:00	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C ✓			N		
08	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0558	KAFB-106053-WG-GW0558-REG	24 APR 2012	10:17	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
04	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0558-MS	KAFB-106053-WG-GW0558-MS-MS	24 APR 2012	10:17	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW196

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
03	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
04	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0558-MSD	KAFB-106053-WG-GW0558-MSD-MSD	24 APR 2012	10:17	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
05	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
06	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0559	KAFB-106054-WG-GW0559-REG	24 APR 2012	13:25	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0566	KAFB-106062-WG-GW0566-REG	24 APR 2012	11:06	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW196

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
09	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
10	GW0567	KAFB-106063-WG-GW0567-REG	24 APR 2012	13:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
2 11	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		12
1 ~~12~~ 11	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		11
JD 4-25-12	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0568	KAFB-106063-WG-GW0568-FD	24 APR 2012	13:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
13	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
14	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

Kirtland 054 Survey Package

1204139

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW196

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0619	KAFB-106105-WG-GW0619-REG	23 APR 2012	15:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
15	GW8196-TB	FIELDQC-BW-GW8196-TB-TB	24 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

4-25-12

Cooler Received/Opened On_ 04/24/12 @ 0835

1. Tracking # 7795 (last 4 digits, FedEx) WO# 1204139

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) 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_ 04/24/12 @ 0835

1. Tracking # 7800 (last 4 digits, FedEx) WO# 1204139

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.5 *Degrees Celsius + correction factor - 0.2* = 1.3

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

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

If yes, how many and where: 1-FRONT

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

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

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

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) JP

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_ 04/24/12 @ 0835

WO# 1204139

1. Tracking # 7810 (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) 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:

Additional Details:

Cooler Received/Opened On_ 04/24/12 @ 0835

WO# 1204139

1. Tracking # 7832 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 0.6 *Degrees Celsius + correction factor - 0.2* = 0.4

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

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

If yes, how many and where: 1 FRONT

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

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

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

1204147

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW197

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

Samples Shipment Date: 25 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617843

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: 4/25/12 Time: 1600
1. Received By (Signature/Affiliation) Jack Deville Jr. Date: 4-26-12 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	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1204147

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW197

	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	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0557	KAFB-106052-WG-GW0557-REG	24 APR 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0569	KAFB-106064-WG-GW0569-REG	24 APR 2012	15:45	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0571	KAFB-106065-WG-GW0571-REG	25 APR 2012	13:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1204147

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW197

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0572	KAFB-106066-WG-GW0572-REG	25 APR 2012	11:20	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0574	KAFB-106068-WG-GW0574-REG	25 APR 2012	11:31	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
11	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
12	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
1 13	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0575	KAFB-106069-WG-GW0575-REG	25 APR 2012	14:05	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

JP4-26-12

Kirtland 051 Sump Package

120447

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW197

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW8197-TB	FIELDQC-BW-GW8197-TB-TB	25 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 04/26/12 @ 0820

1. Tracking # 7843 (last 4 digits, FedEx) WO# 1204147

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.6 *Degrees Celsius + correction factor* - 0.2 = 3.4

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

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

If yes, how many and where: 1-FRONT

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

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

I certify that I opened the cooler and answered questions 1-6 (intial) 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) 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_ 04/26/12 @ 0820

1. Tracking #_7854_(last 4 digits, FedEx) WO# 1204147

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 5.0 *Degrees Celsius + correction factor - 0.2* = 4.8

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) 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_ 04/26/12 @ 0820

WO# 1204147

1. Tracking # 7865 (last 4 digits, FedEx)

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.1 *Degrees Celsius + correction factor - 0.2* = 1.9

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

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

If yes, how many and where: 1 FRONT

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

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

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

Cooler Received/Opened On_ 04/26/12 @ 0820

4/26/12

1. Tracking #_____ 8876 (last 4 digits, FedEx) WO# 1204147

Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 23 *Degrees Celsius + correction factor - 0.2* = 21

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) _____

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:

1204161

Shaw™
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW198

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

Samples Shipment Date: 26 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617887

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) [signature] Date: 4/26/12 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) jack deville jr. Date: 4-27-12 Time: 0820
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	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
↓	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
↓	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

1204161

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW198

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0514	KAFB-106010-WG-GW0514-REG	26 APR 2012	10:50	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0515	KAFB-106011-WG-GW0515-REG	26 APR 2012	14:38	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0573	KAFB-106067-WG-GW0573-REG	25 APR 2012	16:17	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

1204161

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW198

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0594	KAFB-106086-WG-GW0594-REG	26 APR 2012	13:47	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
09	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
10	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0595	KAFB-106087-WG-GW0595-REG	26 APR 2012	11:36	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW8198-TB	FIELDQC-BW-GW8198-TB-TB	26 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 04/27/12 @ 0820

WO# 1204161

1. Tracking # 7887 (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) _____

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

JP 4-27-12

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

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) JP

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) JP

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

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

Additional Details:

* A VOC 40mL vial for GW0595 was broken in shipment

Cooler Received/Opened On_ 04/27/12 @ 0820

1. Tracking #_7898_(last 4 digits, FedEx) WO# 1204161

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) BW

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_ 04/27/12 @ 0820

1. Tracking # 7902 (last 4 digits, FedEx)

WO# 1204161

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) BL

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:

1204164

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW199

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

Samples Shipment Date: 27 APR 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306617913

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: 4/27/12 Time: 1600
1. Received By (Signature/Affiliation) jack deville jr. — Date: 4-28-12 Time: 0830
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	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

1204164

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW199

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0530	KAFB-106029-WG-GW0530-REG	27 APR 2012	15:48	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
03	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0531	KAFB-106030-WG-GW0531-REG	27 APR 2012	13:50	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
06	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0532	KAFB-106031-WG-GW0532-REG	27 APR 2012	11:33	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		

1204164

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW199

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
08	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0593	KAFB-106085-WG-GW0593-REG	26 APR 2012	16:08	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
09	GW8051-AB	FIELDQC-BW-GW8051-AB-AB	27 APR 2012	11:33	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		
10	GW8199-TB	FIELDQC-BW-GW8199-TB-TB	27 APR 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

Cooler Received/Opened On_ 04/28/12 @ 0830

WO# 1204164

1. Tracking # 7913 (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 # 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:

* All containers arrived in good condition, but a 40mL vial for GW0531 (TPH) was dropped while unloading. – JD 4-28-12

Cooler Received/Opened On_ 04/28/12 @ 0830

1. Tracking # 7924 (last 4 digits, FedEx) WO# 1204164

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) 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_ 04/28/12 @ 0830

1. Tracking # 7935 (last 4 digits, FedEx) WO# 1204164

Courier: ____FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.4 *Degrees Celsius + correction factor -0.2* = 1.2

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

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

If yes, how many and where: 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:

WORK ORDER

Printed: 4/25/2012 11:31:15AM

1204127

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: 05/16/2012 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: 04/24/2012 08:20
Logged In By: Jack Deville
Date Logged In: 04/24/2012 16:42

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
1204127-01 GW0541 [Water] Sampled 04/23/2012 12:36 Mountain					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/10/2012 14:00	15	04/30/2012 13:36	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	05/10/2012 14:00	15	04/30/2012 13:36	
SW8011	SGC_EDB_8011	05/10/2012 14:00	15	05/07/2012 13:36	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/10/2012 14:00	15	05/07/2012 13:36	
SW8260B	VOC_8260B_REG	05/10/2012 14:00	15	05/07/2012 13:36	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/10/2012 14:00	15	05/07/2012 13:36	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/10/2012 14:00	15	05/21/2012 13:36	
E300.0	WC_ANIONS_300.0 (Regular)	05/10/2012 14:00	15	05/21/2012 13:36	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/10/2012 14:00	15	05/21/2012 13:36	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/10/2012 14:00	15	04/30/2012 13:36	
SW6010B	MET_ICP_6010B_FULL	05/10/2012 14:00	15	10/20/2012 13:36	Ca, Pb, K, Na, Mg
1204127-02 GW0541 [Water] Sampled 04/23/2012 12:36 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/10/2012 14:00	15	10/20/2012 13:36	Fe & Mn

1204127

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
1204127-03 GW0542 [Water] Sampled 04/23/2012 10:24 Mountain					
SM4500S2CF	WC_SULFIDE_4500S2CF	05/10/2012 14:00	15	04/30/2012 11:24	
SW8015B DRO	SGC_DRO_8015B_3510	05/10/2012 14:00	15	04/30/2012 11:24	
SW8011	SGC_EDB_8011	05/10/2012 14:00	15	05/07/2012 11:24	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/10/2012 14:00	15	05/07/2012 11:24	
SW8260B	VOC_8260B_REG	05/10/2012 14:00	15	05/07/2012 11:24	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/10/2012 14:00	15	05/07/2012 11:24	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/10/2012 14:00	15	05/21/2012 11:24	
E300.0	WC_ANIONS_300.0 (Regular)	05/10/2012 14:00	15	05/21/2012 11:24	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/10/2012 14:00	15	04/30/2012 11:24	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/10/2012 14:00	15	10/20/2012 11:24	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	05/10/2012 14:00	15	05/21/2012 11:24	
1204127-04 GW0542 [Water] Sampled 04/23/2012 10:24 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/10/2012 14:00	15	10/20/2012 11:24	Fe & Mn
1204127-05 GW0620 [Water] Sampled 04/23/2012 09:54 Mountain					
E300.0	WC_ANIONS_300.0 (Regular)	05/10/2012 14:00	15	05/21/2012 10:54	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/10/2012 14:00	15	04/30/2012 10:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/10/2012 14:00	15	05/21/2012 10:54	
SM2320B	WC_ALKALINITY_2320B	05/10/2012 14:00	15	05/07/2012 10:54	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/10/2012 14:00	15	05/21/2012 10:54	
SW6010B	MET_ICP_6010B_FULL	05/10/2012 14:00	15	10/20/2012 10:54	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	05/10/2012 14:00	15	04/30/2012 10:54	
SW8260B	VOC_8260B_REG	05/10/2012 14:00	15	05/07/2012 10:54	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/10/2012 14:00	15	05/07/2012 10:54	
SW8011	SGC_EDB_8011	05/10/2012 14:00	15	05/07/2012 10:54	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/10/2012 14:00	15	04/30/2012 10:54	
1204127-06 GW0620 [Water] Sampled 04/23/2012 09:54 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/10/2012 14:00	15	10/20/2012 10:54	Fe & Mn

1204127

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
1204127-07 GW0621 [Water] Sampled 04/23/2012 09:54 Mountain					
SW8260B	VOC_8260B_REG	05/10/2012 14:00	15	05/07/2012 10:54	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	05/10/2012 14:00	15	05/21/2012 10:54	
E300.0	WC_ANIONS_300.0 (Regular)	05/10/2012 14:00	15	05/21/2012 10:54	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	05/10/2012 14:00	15	05/07/2012 10:54	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	05/10/2012 14:00	15	10/20/2012 10:54	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/10/2012 14:00	15	04/30/2012 10:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/10/2012 14:00	15	04/30/2012 10:54	
SW8015B GRO	VGC_GRO_8015B	05/10/2012 14:00	15	05/07/2012 10:54	
SW8011	SGC_EDB_8011	05/10/2012 14:00	15	05/07/2012 10:54	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/10/2012 14:00	15	04/30/2012 10:54	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/10/2012 14:00	15	05/21/2012 10:54	
1204127-08 GW0621 [Water] Sampled 04/23/2012 09:54 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/10/2012 14:00	15	10/20/2012 10:54	Fe & Mn
1204127-09 GW0622 [Water] Sampled 04/23/2012 12:59 Mountain					
SM2320B	WC_ALKALINITY_2320B	05/10/2012 14:00	15	05/07/2012 13:59	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/10/2012 14:00	15	05/21/2012 13:59	
E300.0	WC_ANIONS_300.0 (Regular)	05/10/2012 14:00	15	05/21/2012 13:59	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/10/2012 14:00	15	05/21/2012 13:59	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/10/2012 14:00	15	04/30/2012 13:59	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/10/2012 14:00	15	04/30/2012 13:59	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	05/10/2012 14:00	15	05/07/2012 13:59	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	05/10/2012 14:00	15	10/20/2012 13:59	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/10/2012 14:00	15	04/30/2012 13:59	
SW8015B GRO	VGC_GRO_8015B	05/10/2012 14:00	15	05/07/2012 13:59	
SW8011	SGC_EDB_8011	05/10/2012 14:00	15	05/07/2012 13:59	Run dilutions based on 8260 results!
1204127-10 GW0622 [Water] Sampled 04/23/2012 12:59 Mountain					
SW6010B	MET_ICP_6010B_FULL_DIS	05/10/2012 14:00	15	10/20/2012 13:59	Fe & Mn
1204127-11 GW8195-TB [Water] Sampled 04/23/2012 08:00 Mountain					
SW8260B	VOC_8260B_REG	05/10/2012 14:00	15	05/07/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 4/29/2012 11:29:49PM

1204139

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: 05/17/2012 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: 04/25/2012 08:35
Logged In By: Jack Deville
Date Logged In: 04/25/2012 15:04

Samples Received at: **0.6°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
1204139-01 GW0540 [Water] Sampled 04/23/2012 15:00 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/21/2012 16:00	
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	04/30/2012 16:00	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/07/2012 16:00	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/07/2012 16:00	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/07/2012 16:00	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/07/2012 16:00	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/20/2012 16:00	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/21/2012 16:00	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/21/2012 16:00	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	04/30/2012 16:00	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	04/30/2012 16:00	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204139-02 GW0540 [Water] Sampled 04/23/2012 15:00 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/20/2012 16:00	Fe & Mn

1204139

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
1204139-03 GW0558 [Water] Sampled 04/24/2012 10:17 Mountain 'Client Sample'					**MS/MSD**
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/01/2012 11:17	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/08/2012 11:17	MS/MSD, Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/01/2012 11:17	MS/MSD
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/21/2012 11:17	MS/MSD, Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/01/2012 11:17	MS/MSD
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/22/2012 11:17	MS/MSD
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/22/2012 11:17	MS/MSD, Cl, SO4
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/08/2012 11:17	MS/MSD
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 11:17	MS/MSD, naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/08/2012 11:17	MS/MSD, carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/22/2012 11:17	MS/MSD
1204139-04 GW0558 [Water] Sampled 04/24/2012 10:17 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/21/2012 11:17	MS/MSD, Fe & Mn
1204139-05 GW0559 [Water] Sampled 04/24/2012 13:25 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/01/2012 14:25	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/08/2012 14:25	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/22/2012 14:25	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/22/2012 14:25	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/22/2012 14:25	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 14:25	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/01/2012 14:25	
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/08/2012 14:25	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/08/2012 14:25	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/01/2012 14:25	
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/21/2012 14:25	Ca, Pb, K, Na, Mg
1204139-06 GW0559 [Water] Sampled 04/24/2012 13:25 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/21/2012 14:25	Fe & Mn

1204139

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
1204139-07 GW0566 [Water] Sampled 04/24/2012 11:06 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/01/2012 12:06	
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/21/2012 12:06	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/22/2012 12:06	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/22/2012 12:06	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/08/2012 12:06	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/08/2012 12:06	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 12:06	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/08/2012 12:06	carb/bicarb
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/01/2012 12:06	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/22/2012 12:06	
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/01/2012 12:06	
1204139-08 GW0566 [Water] Sampled 04/24/2012 11:06 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/21/2012 12:06	Fe & Mn
1204139-09 GW0567 [Water] Sampled 04/24/2012 13:26 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/22/2012 14:26	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/01/2012 14:26	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/22/2012 14:26	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/22/2012 14:26	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/08/2012 14:26	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/01/2012 14:26	
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/21/2012 14:26	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/08/2012 14:26	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/01/2012 14:26	
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/08/2012 14:26	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 14:26	naphthalene must be reported
1204139-10 GW0567 [Water] Sampled 04/24/2012 13:26 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/21/2012 14:26	Fe & Mn

1204139

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
1204139-11 GW0568 [Water] Sampled 04/24/2012 13:26 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/08/2012 14:26	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/21/2012 14:26	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/01/2012 14:26	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/01/2012 14:26	
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/22/2012 14:26	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/22/2012 14:26	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/22/2012 14:26	
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/08/2012 14:26	carb/bicarb
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 14:26	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/08/2012 14:26	
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/01/2012 14:26	
1204139-12 GW0568 [Water] Sampled 04/24/2012 13:26 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/21/2012 14:26	Fe & Mn
1204139-13 GW0619 [Water] Sampled 04/23/2012 15:31 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	04/30/2012 16:31	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/07/2012 16:31	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/07/2012 16:31	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/07/2012 16:31	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/07/2012 16:31	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/21/2012 16:31	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/21/2012 16:31	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/21/2012 16:31	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	04/30/2012 16:31	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	04/30/2012 16:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/20/2012 16:31	Ca, Pb, K, Na, Mg
1204139-14 GW0619 [Water] Sampled 04/23/2012 15:31 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/20/2012 16:31	Fe & Mn
1204139-15 GW8196-TB [Water] Sampled 04/24/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 4/29/2012 11:41:30PM

1204147

Empirical Laboratories, LLC

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

Report To:
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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: 05/17/2012 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: 04/26/2012 08:20
Logged In By: Jack Deville
Date Logged In: 04/26/2012 12:27

Samples Received at: **3.4°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
1204147-01 GW0557 [Water] Sampled 04/24/2012 16:08 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/22/2012 17:08	
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/21/2012 17:08	Ca, Pb, K, Na, Mg
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 17:08	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/01/2012 17:08	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/22/2012 17:08	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/22/2012 17:08	
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/08/2012 17:08	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/01/2012 17:08	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/08/2012 17:08	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/08/2012 17:08	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/01/2012 17:08	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204147-02 GW0557 [Water] Sampled 04/24/2012 16:08 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/21/2012 17:08	Fe & Mn

1204147

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
1204147-03 GW0569 [Water] Sampled 04/24/2012 15:45 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/22/2012 16:45	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/22/2012 16:45	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/01/2012 16:45	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/22/2012 16:45	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/08/2012 16:45	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/21/2012 16:45	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/08/2012 16:45	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/08/2012 16:45	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/01/2012 16:45	
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/08/2012 16:45	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/01/2012 16:45	
1204147-04 GW0569 [Water] Sampled 04/24/2012 15:45 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/21/2012 16:45	Fe & Mn
1204147-05 GW0571 [Water] Sampled 04/25/2012 13:47 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/09/2012 14:47	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/02/2012 14:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/02/2012 14:47	
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/23/2012 14:47	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/23/2012 14:47	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/23/2012 14:47	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/09/2012 14:47	naphthalene must be reported
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/09/2012 14:47	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/02/2012 14:47	
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/22/2012 14:47	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/09/2012 14:47	carb/bicarb
1204147-06 GW0571 [Water] Sampled 04/25/2012 13:47 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/22/2012 14:47	Fe & Mn

1204147

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
1204147-07 GW0572 [Water] Sampled 04/25/2012 11:20 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/09/2012 12:20	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/22/2012 12:20	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/09/2012 12:20	
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/09/2012 12:20	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/23/2012 12:20	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/23/2012 12:20	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/23/2012 12:20	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/02/2012 12:20	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/02/2012 12:20	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/09/2012 12:20	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/02/2012 12:20	
1204147-08 GW0572 [Water] Sampled 04/25/2012 11:20 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/22/2012 12:20	Fe & Mn
1204147-09 GW0574 [Water] Sampled 04/25/2012 11:31 Mountain 'Client Sample'					
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/09/2012 12:31	carb/bicarb
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/22/2012 12:31	Ca, Pb, K, Na, Mg
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/23/2012 12:31	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/02/2012 12:31	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/23/2012 12:31	Cl, SO4
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/02/2012 12:31	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/09/2012 12:31	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/09/2012 12:31	
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/09/2012 12:31	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/02/2012 12:31	
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/23/2012 12:31	
1204147-10 GW0574 [Water] Sampled 04/25/2012 11:31 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/22/2012 12:31	Fe & Mn

1204147

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
1204147-11 GW0575 [Water] Sampled 04/25/2012 14:05 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	05/14/2012 14:00	15	05/09/2012 15:05	
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/09/2012 15:05	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/14/2012 14:00	15	05/23/2012 15:05	
E353.2	WC_NO3NO2_N_353.2	05/14/2012 14:00	15	05/23/2012 15:05	
SM2320B	WC_ALKALINITY_2320B	05/14/2012 14:00	15	05/09/2012 15:05	carb/bicarb
SW8011	SGC_EDB_8011	05/14/2012 14:00	15	05/09/2012 15:05	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	05/14/2012 14:00	15	05/02/2012 15:05	
E300.0	WC_ANIONS_300.0 (Regular)	05/14/2012 14:00	15	05/23/2012 15:05	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	05/14/2012 14:00	15	05/02/2012 15:05	
SW6010B	MET_ICP_6010B_FULL	05/14/2012 14:00	15	10/22/2012 15:05	Ca, Pb, K, Na, Mg
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/14/2012 14:00	15	05/02/2012 15:05	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204147-12 GW0575 [Water] Sampled 04/25/2012 14:05 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/14/2012 14:00	15	10/22/2012 15:05	Fe & Mn
1204147-13 GW8197-TB [Water] Sampled 04/25/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/14/2012 14:00	15	05/09/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 4/30/2012 12:06:31AM

1204161

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: 05/18/2012 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: 04/27/2012 08:20
Logged In By: Jack Deville
Date Logged In: 04/27/2012 10:43

Samples Received at: **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
1204161-01 GW0514 [Water] Sampled 04/26/2012 10:50 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/15/2012 14:00	15	05/03/2012 11:50	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	05/15/2012 14:00	15	05/03/2012 11:50	
SW8011	SGC_EDB_8011	05/15/2012 14:00	15	05/10/2012 11:50	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/15/2012 14:00	15	05/10/2012 11:50	
SW8260B	VOC_8260B_REG	05/15/2012 14:00	15	05/10/2012 11:50	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/15/2012 14:00	15	05/10/2012 11:50	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/15/2012 14:00	15	05/24/2012 11:50	
E300.0	WC_ANIONS_300.0 (Regular)	05/15/2012 14:00	15	05/24/2012 11:50	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/15/2012 14:00	15	05/24/2012 11:50	
SW6010B	MET_ICP_6010B_FULL	05/15/2012 14:00	15	10/23/2012 11:50	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	05/15/2012 14:00	15	05/03/2012 11:50	
1204161-02 GW0514 [Water] Sampled 04/26/2012 10:50 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/15/2012 14:00	15	10/23/2012 11:50	Fe & Mn

1204161

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
1204161-03 GW0515 [Water] Sampled 04/26/2012 14:38 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	05/15/2012 14:00	15	05/03/2012 15:38	
SW8015B DRO	SGC_DRO_8015B_3510	05/15/2012 14:00	15	05/03/2012 15:38	
SW8011	SGC_EDB_8011	05/15/2012 14:00	15	05/10/2012 15:38	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/15/2012 14:00	15	05/10/2012 15:38	
SW8260B	VOC_8260B_REG	05/15/2012 14:00	15	05/10/2012 15:38	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/15/2012 14:00	15	05/10/2012 15:38	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/15/2012 14:00	15	05/24/2012 15:38	
SW6010B	MET_ICP_6010B_FULL	05/15/2012 14:00	15	10/23/2012 15:38	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	05/15/2012 14:00	15	05/24/2012 15:38	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/15/2012 14:00	15	05/03/2012 15:38	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E300.0	WC_ANIONS_300.0 (Regular)	05/15/2012 14:00	15	05/24/2012 15:38	Cl, SO4
1204161-04 GW0515 [Water] Sampled 04/26/2012 14:38 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/15/2012 14:00	15	10/23/2012 15:38	Fe & Mn
1204161-05 GW0573 [Water] Sampled 04/25/2012 16:17 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	05/15/2012 14:00	15	05/02/2012 17:17	
SW6010B	MET_ICP_6010B_FULL	05/15/2012 14:00	15	10/22/2012 17:17	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	05/15/2012 14:00	15	05/23/2012 17:17	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	05/15/2012 14:00	15	05/02/2012 17:17	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/15/2012 14:00	15	05/02/2012 17:17	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	05/15/2012 14:00	15	05/23/2012 17:17	
SW8011	SGC_EDB_8011	05/15/2012 14:00	15	05/09/2012 17:17	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/15/2012 14:00	15	05/09/2012 17:17	
SW8260B	VOC_8260B_REG	05/15/2012 14:00	15	05/09/2012 17:17	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/15/2012 14:00	15	05/09/2012 17:17	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/15/2012 14:00	15	05/23/2012 17:17	
1204161-06 GW0573 [Water] Sampled 04/25/2012 16:17 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/15/2012 14:00	15	10/22/2012 17:17	Fe & Mn

1204161

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
1204161-07 GW0594 [Water] Sampled 04/26/2012 13:47 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/15/2012 14:00	15	05/03/2012 14:47	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/15/2012 14:00	15	05/03/2012 14:47	
SW8260B	VOC_8260B_REG	05/15/2012 14:00	15	05/10/2012 14:47	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	05/15/2012 14:00	15	05/24/2012 14:47	
E300.0	WC_ANIONS_300.0 (Regular)	05/15/2012 14:00	15	05/24/2012 14:47	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/15/2012 14:00	15	05/24/2012 14:47	
SW6010B	MET_ICP_6010B_FULL	05/15/2012 14:00	15	10/23/2012 14:47	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/15/2012 14:00	15	05/03/2012 14:47	
SW8015B GRO	VGC_GRO_8015B	05/15/2012 14:00	15	05/10/2012 14:47	
SW8011	SGC_EDB_8011	05/15/2012 14:00	15	05/10/2012 14:47	Run dilutions based on 8260 results!
SM2320B	WC_ALKALINITY_2320B	05/15/2012 14:00	15	05/10/2012 14:47	carb/bicarb
1204161-08 GW0594 [Water] Sampled 04/26/2012 13:47 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/15/2012 14:00	15	10/23/2012 14:47	Fe & Mn
1204161-09 GW0595 [Water] Sampled 04/26/2012 11:36 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	05/15/2012 14:00	15	10/23/2012 12:36	Ca, Pb, K, Na, Mg
E300.0	WC_ANIONS_300.0 (Regular)	05/15/2012 14:00	15	05/24/2012 12:36	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	05/15/2012 14:00	15	05/03/2012 12:36	
SW8011	SGC_EDB_8011	05/15/2012 14:00	15	05/10/2012 12:36	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/15/2012 14:00	15	05/10/2012 12:36	
SW8260B	VOC_8260B_REG	05/15/2012 14:00	15	05/10/2012 12:36	naphthalene must be reported
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/15/2012 14:00	15	05/24/2012 12:36	
E353.2	WC_NO3NO2_N_353.2	05/15/2012 14:00	15	05/24/2012 12:36	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/15/2012 14:00	15	05/03/2012 12:36	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/15/2012 14:00	15	05/03/2012 12:36	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	05/15/2012 14:00	15	05/10/2012 12:36	carb/bicarb
1204161-10 GW0595 [Water] Sampled 04/26/2012 11:36 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/15/2012 14:00	15	10/23/2012 12:36	Fe & Mn
1204161-11 GW8198-TB [Water] Sampled 04/26/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	05/15/2012 14:00	15	05/10/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 4/30/2012 5:41:29PM

1204164

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
9201 East Dry Creek
Denver, CO 80112
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: 05/21/2012 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: 04/28/2012 08:30
Logged In By: Jack Deville
Date Logged In: 04/28/2012 09:58

Samples Received at: **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
1204164-01 GW0530 [Water] Sampled 04/27/2012 15:48 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	05/16/2012 14:00	15	05/25/2012 16:48	
SW6010B	MET_ICP_6010B_FULL	05/16/2012 14:00	15	10/24/2012 16:48	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	05/16/2012 14:00	15	05/11/2012 16:48	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/16/2012 14:00	15	05/11/2012 16:48	
SW8260B	VOC_8260B_REG	05/16/2012 14:00	15	05/11/2012 16:48	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/16/2012 14:00	15	05/11/2012 16:48	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	05/16/2012 14:00	15	05/25/2012 16:48	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	05/16/2012 14:00	15	05/04/2012 16:48	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/16/2012 14:00	15	05/04/2012 16:48	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B DRO	SGC_DRO_8015B_3510	05/16/2012 14:00	15	05/04/2012 16:48	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/16/2012 14:00	15	05/25/2012 16:48	
1204164-02 GW0530 [Water] Sampled 04/27/2012 15:48 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/16/2012 14:00	15	10/24/2012 16:48	Fe & Mn

1204164

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
1204164-03 GW0531 [Water] Sampled 04/27/2012 13:50 Mountain 'Client Sample'					**One vial for TPH broken while unloading.**
SW8015B GRO	VGC_GRO_8015B	05/16/2012 14:00	15	05/11/2012 14:50	One vial broken during unloading process.
SM2320B	WC_ALKALINITY_2320B	05/16/2012 14:00	15	05/11/2012 14:50	carb/bicarb
SW8260B	VOC_8260B_REG	05/16/2012 14:00	15	05/11/2012 14:50	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	05/16/2012 14:00	15	10/24/2012 14:50	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	05/16/2012 14:00	15	05/11/2012 14:50	Run dilutions based on 8260 results!
SM4500S2CF	WC_SULFIDE_4500S2CF	05/16/2012 14:00	15	05/04/2012 14:50	
SW8015B DRO	SGC_DRO_8015B_3510	05/16/2012 14:00	15	05/04/2012 14:50	
E300.0	WC_ANIONS_300.0 (Regular)	05/16/2012 14:00	15	05/25/2012 14:50	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/16/2012 14:00	15	05/25/2012 14:50	
E353.2	WC_NO3NO2_N_353.2	05/16/2012 14:00	15	05/25/2012 14:50	
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/16/2012 14:00	15	05/04/2012 14:50	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1204164-04 GW0531 [Water] Sampled 04/27/2012 13:50 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/16/2012 14:00	15	10/24/2012 14:50	Fe & Mn
1204164-05 GW0532 [Water] Sampled 04/27/2012 11:33 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/16/2012 14:00	15	05/04/2012 12:33	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	05/16/2012 14:00	15	05/04/2012 12:33	
E353.2	WC_NO3NO2_N_353.2	05/16/2012 14:00	15	05/25/2012 12:33	
E300.0	WC_ANIONS_300.0 (Regular)	05/16/2012 14:00	15	05/25/2012 12:33	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/16/2012 14:00	15	05/25/2012 12:33	
SM2320B	WC_ALKALINITY_2320B	05/16/2012 14:00	15	05/11/2012 12:33	carb/bicarb
SW8260B	VOC_8260B_REG	05/16/2012 14:00	15	05/11/2012 12:33	naphthalene must be reported
SW8011	SGC_EDB_8011	05/16/2012 14:00	15	05/11/2012 12:33	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	05/16/2012 14:00	15	05/04/2012 12:33	
SW6010B	MET_ICP_6010B_FULL	05/16/2012 14:00	15	10/24/2012 12:33	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	05/16/2012 14:00	15	05/11/2012 12:33	
1204164-06 GW0532 [Water] Sampled 04/27/2012 11:33 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/16/2012 14:00	15	10/24/2012 12:33	Fe & Mn

1204164

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
1204164-07 GW0593 [Water] Sampled 04/26/2012 16:08 Mountain 'Client Sample'					
SW8270C	ZZ_SMS_BNA_8270C_3510_REG	05/16/2012 14:00	15	05/03/2012 17:08	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	05/16/2012 14:00	15	10/23/2012 17:08	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	05/16/2012 14:00	15	05/03/2012 17:08	
SW8011	SGC_EDB_8011	05/16/2012 14:00	15	05/10/2012 17:08	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	05/16/2012 14:00	15	05/10/2012 17:08	
SW8260B	VOC_8260B_REG	05/16/2012 14:00	15	05/10/2012 17:08	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	05/16/2012 14:00	15	05/10/2012 17:08	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	05/16/2012 14:00	15	05/24/2012 17:08	
E300.0	WC_ANIONS_300.0 (Regular)	05/16/2012 14:00	15	05/24/2012 17:08	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	05/16/2012 14:00	15	05/24/2012 17:08	
SM4500S2CF	WC_SULFIDE_4500S2CF	05/16/2012 14:00	15	05/03/2012 17:08	
1204164-08 GW0593 [Water] Sampled 04/26/2012 16:08 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	05/16/2012 14:00	15	10/23/2012 17:08	Fe & Mn
1204164-09 GW8051-AB [Water] Sampled 04/27/2012 11:33 Mountain 'Ambient Blank'					
SW8260B	VOC_8260B_REG	05/16/2012 14:00	15	05/11/2012 12:33	naphthalene must be reported
1204164-10 GW8199-TB [Water] Sampled 04/27/2012 08:00 Mountain 'Ambient Blank'					
SW8260B	VOC_8260B_REG	05/16/2012 14:00	15	05/11/2012 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_051
MATRIX: Water

QC LEVEL: Level IV
Report Due: 5/15/2012 - 5/21/2012
Client Sample Count: 54

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	4/23/2012	4/24/2012	1204127-01	GW0541	X	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-02	GW0541						X
Client Sample	4/23/2012	4/24/2012	1204127-03	GW0542	X	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-04	GW0542						X
Client Sample	4/23/2012	4/24/2012	1204127-05	GW0620	X	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-06	GW0620						X
Client Sample	4/23/2012	4/24/2012	1204127-07	GW0621	X	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-08	GW0621						X
Client Sample	4/23/2012	4/24/2012	1204127-09	GW0622	X	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-10	GW0622						X
Trip Blank	4/23/2012	4/24/2012	1204127-11	GW8195-TB						
Client Sample	4/23/2012	4/25/2012	1204139-01	GW0540	X	X	X	X	X	X
Client Sample	4/23/2012	4/25/2012	1204139-02	GW0540						X
Client Sample	4/24/2012	4/25/2012	1204139-03	GW0558	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	4/24/2012	4/25/2012	1204139-04	GW0558						MS/MSD
Client Sample	4/24/2012	4/25/2012	1204139-05	GW0559	X	X	X	X	X	X
Client Sample	4/24/2012	4/25/2012	1204139-06	GW0559						X
Client Sample	4/24/2012	4/25/2012	1204139-07	GW0566	X	X	X	X	X	X
Client Sample	4/24/2012	4/25/2012	1204139-08	GW0566						X
Client Sample	4/24/2012	4/25/2012	1204139-09	GW0567	X	X	X	X	X	X
Client Sample	4/24/2012	4/25/2012	1204139-10	GW0567						X
Client Sample	4/24/2012	4/25/2012	1204139-11	GW0568	X	X	X	X	X	X
Client Sample	4/24/2012	4/25/2012	1204139-12	GW0568						X
Client Sample	4/23/2012	4/25/2012	1204139-13	GW0619	X	X	X	X	X	X
Client Sample	4/23/2012	4/25/2012	1204139-14	GW0619						X
Trip Blank	4/24/2012	4/25/2012	1204139-15	GW8196-TB						
Client Sample	4/24/2012	4/26/2012	1204147-01	GW0557	X	X	X	X	X	X
Client Sample	4/24/2012	4/26/2012	1204147-02	GW0557						X
Client Sample	4/24/2012	4/26/2012	1204147-03	GW0569	X	X	X	X	X	X
Client Sample	4/24/2012	4/26/2012	1204147-04	GW0569						X
Client Sample	4/25/2012	4/26/2012	1204147-05	GW0571	X	X	X	X	X	X
Client Sample	4/25/2012	4/26/2012	1204147-06	GW0571						X
Client Sample	4/25/2012	4/26/2012	1204147-07	GW0572	X	X	X	X	X	X
Client Sample	4/25/2012	4/26/2012	1204147-08	GW0572						X
Client Sample	4/25/2012	4/26/2012	1204147-09	GW0574	X	X	X	X	X	X
Client Sample	4/25/2012	4/26/2012	1204147-10	GW0574						X
Client Sample	4/25/2012	4/26/2012	1204147-11	GW0575	X	X	X	X	X	X

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	4/25/2012	4/26/2012	1204147-12	GW0575						X
Trip Blank	4/25/2012	4/26/2012	1204147-13	GW8197-TB						
Client Sample	4/26/2012	4/27/2012	1204161-01	GW0514	X	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-02	GW0514						X
Client Sample	4/26/2012	4/27/2012	1204161-03	GW0515	X	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-04	GW0515						X
Client Sample	4/25/2012	4/27/2012	1204161-05	GW0573	X	X	X	X	X	X
Client Sample	4/25/2012	4/27/2012	1204161-06	GW0573						X
Client Sample	4/26/2012	4/27/2012	1204161-07	GW0594	X	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-08	GW0594						X
Client Sample	4/26/2012	4/27/2012	1204161-09	GW0595	X	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-10	GW0595						X
Trip Blank	4/26/2012	4/27/2012	1204161-11	GW8198-TB						
Client Sample	4/27/2012	4/28/2012	1204164-01	GW0530	X	X	X	X	X	X
Client Sample	4/27/2012	4/28/2012	1204164-02	GW0530						X
Client Sample	4/27/2012	4/28/2012	1204164-03	GW0531	X	X	X	X	X	X
Client Sample	4/27/2012	4/28/2012	1204164-04	GW0531						X
Client Sample	4/27/2012	4/28/2012	1204164-05	GW0532	X	X	X	X	X	X
Client Sample	4/27/2012	4/28/2012	1204164-06	GW0532						X
Client Sample	4/26/2012	4/28/2012	1204164-07	GW0593	X	X	X	X	X	X
Client Sample	4/26/2012	4/28/2012	1204164-08	GW0593						X
Ambient Blank	4/27/2012	4/28/2012	1204164-09	GW8051-AB						
Ambient Blank	4/27/2012	4/28/2012	1204164-10	GW8199-TB						

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	4/23/2012	4/24/2012	1204127-01	GW0541	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-02	GW0541					
Client Sample	4/23/2012	4/24/2012	1204127-03	GW0542	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-04	GW0542					
Client Sample	4/23/2012	4/24/2012	1204127-05	GW0620	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-06	GW0620					
Client Sample	4/23/2012	4/24/2012	1204127-07	GW0621	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-08	GW0621					
Client Sample	4/23/2012	4/24/2012	1204127-09	GW0622	X	X	X	X	X
Client Sample	4/23/2012	4/24/2012	1204127-10	GW0622					
Trip Blank	4/23/2012	4/24/2012	1204127-11	GW8195-TB				X	
Client Sample	4/23/2012	4/25/2012	1204139-01	GW0540	X	X	X	X	X
Client Sample	4/23/2012	4/25/2012	1204139-02	GW0540					
Client Sample	4/24/2012	4/25/2012	1204139-03	GW0558	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	4/24/2012	4/25/2012	1204139-04	GW0558					
Client Sample	4/24/2012	4/25/2012	1204139-05	GW0559	X	X	X	X	X
Client Sample	4/24/2012	4/25/2012	1204139-06	GW0559					
Client Sample	4/24/2012	4/25/2012	1204139-07	GW0566	X	X	X	X	X

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	4/24/2012	4/25/2012	1204139-08	GW0566					
Client Sample	4/24/2012	4/25/2012	1204139-09	GW0567	X	X	X	X	X
Client Sample	4/24/2012	4/25/2012	1204139-10	GW0567					
Client Sample	4/24/2012	4/25/2012	1204139-11	GW0568	X	X	X	X	X
Client Sample	4/24/2012	4/25/2012	1204139-12	GW0568					
Client Sample	4/23/2012	4/25/2012	1204139-13	GW0619	X	X	X	X	X
Client Sample	4/23/2012	4/25/2012	1204139-14	GW0619					
Trip Blank	4/24/2012	4/25/2012	1204139-15	GW8196-TB				X	
Client Sample	4/24/2012	4/26/2012	1204147-01	GW0557	X	X	X	X	X
Client Sample	4/24/2012	4/26/2012	1204147-02	GW0557					
Client Sample	4/24/2012	4/26/2012	1204147-03	GW0569	X	X	X	X	X
Client Sample	4/24/2012	4/26/2012	1204147-04	GW0569					
Client Sample	4/25/2012	4/26/2012	1204147-05	GW0571	X	X	X	X	X
Client Sample	4/25/2012	4/26/2012	1204147-06	GW0571					
Client Sample	4/25/2012	4/26/2012	1204147-07	GW0572	X	X	X	X	X
Client Sample	4/25/2012	4/26/2012	1204147-08	GW0572					
Client Sample	4/25/2012	4/26/2012	1204147-09	GW0574	X	X	X	X	X
Client Sample	4/25/2012	4/26/2012	1204147-10	GW0574					
Client Sample	4/25/2012	4/26/2012	1204147-11	GW0575	X	X	X	X	X

Sample Type	Sampled	Received	Lab ID	Client ID	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	4/25/2012	4/26/2012	1204147-12	GW0575					
Trip Blank	4/25/2012	4/26/2012	1204147-13	GW8197-TB				X	
Client Sample	4/26/2012	4/27/2012	1204161-01	GW0514	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-02	GW0514					
Client Sample	4/26/2012	4/27/2012	1204161-03	GW0515	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-04	GW0515					
Client Sample	4/25/2012	4/27/2012	1204161-05	GW0573	X	X	X	X	X
Client Sample	4/25/2012	4/27/2012	1204161-06	GW0573					
Client Sample	4/26/2012	4/27/2012	1204161-07	GW0594	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-08	GW0594					
Client Sample	4/26/2012	4/27/2012	1204161-09	GW0595	X	X	X	X	X
Client Sample	4/26/2012	4/27/2012	1204161-10	GW0595					
Trip Blank	4/26/2012	4/27/2012	1204161-11	GW8198-TB				X	
Client Sample	4/27/2012	4/28/2012	1204164-01	GW0530	X	X	X	X	X
Client Sample	4/27/2012	4/28/2012	1204164-02	GW0530					
Client Sample	4/27/2012	4/28/2012	1204164-03	GW0531	X	X	X	X	X
Client Sample	4/27/2012	4/28/2012	1204164-04	GW0531					
Client Sample	4/27/2012	4/28/2012	1204164-05	GW0532	X	X	X	X	X
Client Sample	4/27/2012	4/28/2012	1204164-06	GW0532					
Client Sample	4/26/2012	4/28/2012	1204164-07	GW0593	X	X	X	X	X
Client Sample	4/26/2012	4/28/2012	1204164-08	GW0593					
Ambient Blank	4/27/2012	4/28/2012	1204164-09	GW8051-AB				X	
Ambient Blank	4/27/2012	4/28/2012	1204164-10	GW8199-TB				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01	File ID:	0412701.D
Sampled:	04/23/12 12:36	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 14:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, 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	X, 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	X, U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	X, U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01	File ID:	0412701.D
Sampled:	04/23/12 12:36	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 14:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	X, U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	X, U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.43	105	75 - 120	
Dibromofluoromethane	30.00	33.56	112	85 - 115	
1,2-Dichloroethane-d4	30.00	30.63	102	70 - 120	
Toluene-d8	30.00	29.96	99.9	85 - 120	

ANALYSIS DATA SHEET

GW0542

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-03	File ID:	0412703.D
Sampled:	04/23/12 10:24	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 15:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, 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	X, 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	X, U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	X, U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0542

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-03	File ID:	0412703.D
Sampled:	04/23/12 10:24	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 15:22
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	X, U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	X, U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.06	107	75 - 120	
Dibromofluoromethane	30.00	33.66	112	85 - 115	
1,2-Dichloroethane-d4	30.00	31.41	105	70 - 120	
Toluene-d8	30.00	29.89	99.6	85 - 120	

ANALYSIS DATA SHEET

GW0620

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-05	File ID:	0412705.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 15:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, 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	X, 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	X, U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	X, U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0620

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-05	File ID:	0412705.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 15:48
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	X, U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	X, 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	31.56	105	75 - 120	
Dibromofluoromethane	30.00	33.19	111	85 - 115	
1,2-Dichloroethane-d4	30.00	31.15	104	70 - 120	
Toluene-d8	30.00	29.67	98.9	85 - 120	

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07	File ID:	0412707.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 16:15
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, 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	X, 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	X, U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	X, U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07	File ID:	0412707.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 16:15
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	X, U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	X, 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	31.50	105	75 - 120	
Dibromofluoromethane	30.00	33.51	112	85 - 115	
1,2-Dichloroethane-d4	30.00	31.29	104	70 - 120	
Toluene-d8	30.00	29.87	99.6	85 - 120	

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09	File ID:	0412709.D
Sampled:	04/23/12 12:59	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 16:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, 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	X, 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	X, U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	X, U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09	File ID:	0412709.D
Sampled:	04/23/12 12:59	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 16:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	X, U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	X, 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	31.54	105	75 - 120	
Dibromofluoromethane	30.00	33.93	113	85 - 115	
1,2-Dichloroethane-d4	30.00	30.79	103	70 - 120	
Toluene-d8	30.00	29.78	99.3	85 - 120	

ANALYSIS DATA SHEET

GW8195-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-11	File ID:	0412711.D
Sampled:	04/23/12 08:00	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 13:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, 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	X, 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	X, U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	X, U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8195-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-11	File ID:	0412711.D
Sampled:	04/23/12 08:00	Prepared:	04/26/12 00:00	Analyzed:	04/26/12 13:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	X, U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	X, 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	33.45	112	85 - 115	
1,2-Dichloroethane-d4	30.00	30.76	103	70 - 120	
Toluene-d8	30.00	29.72	99.1	85 - 120	

ANALYSIS DATA SHEET

GW0540

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01	File ID:	0413901.D
Sampled:	04/23/12 15:00	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 12:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0540

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01	File ID:	0413901.D
Sampled:	04/23/12 15:00	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 12:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	30.90	103	75 - 120	
Dibromofluoromethane	30.00	28.84	96.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.95	96.5	70 - 120	
Toluene-d8	30.00	30.61	102	85 - 120	

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03	File ID:	0413903.D
Sampled:	04/24/12 10:17	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 13:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03	File ID:	0413903.D
Sampled:	04/24/12 10:17	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 13:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	31.21	104	75 - 120	
Dibromofluoromethane	30.00	31.41	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.51	105	70 - 120	
Toluene-d8	30.00	30.75	102	85 - 120	

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05	File ID:	0413905.D
Sampled:	04/24/12 13:25	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 13:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05	File ID:	0413905.D
Sampled:	04/24/12 13:25	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 13:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	31.20	104	75 - 120	
Dibromofluoromethane	30.00	31.59	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.49	105	70 - 120	
Toluene-d8	30.00	30.77	103	85 - 120	

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07	File ID:	0413907.D
Sampled:	04/24/12 11:06	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 14:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07	File ID:	0413907.D
Sampled:	04/24/12 11:06	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 14:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	30.91	103	75 - 120	
Dibromofluoromethane	30.00	31.29	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.99	103	70 - 120	
Toluene-d8	30.00	30.64	102	85 - 120	

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09	File ID:	0413909.D
Sampled:	04/24/12 13:26	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 14:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	1.28	0.500	1.00	2.00	X, J
75-34-3	1,1-Dichloroethane	0.460	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

GW0567

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09	File ID:	0413909.D
Sampled:	04/24/12 13:26	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 14:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	0.360	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.460	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	0.550	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	31.09	104	75 - 120	
Dibromofluoromethane	30.00	31.27	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.40	105	70 - 120	
Toluene-d8	30.00	30.77	103	85 - 120	

ANALYSIS DATA SHEET

GW0568

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11	File ID:	0413911.D
Sampled:	04/24/12 13:26	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 15:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane	1.34	0.500	1.00	2.00	X, J
75-34-3	1,1-Dichloroethane	0.450	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

GW0568

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11	File ID:	0413911.D
Sampled:	04/24/12 13:26	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 15:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	0.370	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.490	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	0.530	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	31.16	104	75 - 120	
Dibromofluoromethane	30.00	31.24	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.39	105	70 - 120	
Toluene-d8	30.00	30.94	103	85 - 120	

ANALYSIS DATA SHEET

GW0619

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13	File ID:	0413913.D
Sampled:	04/23/12 15:31	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 15:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0619

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13	File ID:	0413913.D
Sampled:	04/23/12 15:31	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 15:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	31.46	105	75 - 120	
Dibromofluoromethane	30.00	31.27	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.14	104	70 - 120	
Toluene-d8	30.00	30.96	103	85 - 120	

ANALYSIS DATA SHEET

GW8196-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-15	File ID:	0413915.D
Sampled:	04/24/12 08:00	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 11:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	0.760	0.250	0.500	1.00	J
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.20	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	0.840	0.250	0.500	1.00	J
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene	6.70	0.250	0.500	1.00	
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

GW8196-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-15	File ID:	0413915.D
Sampled:	04/24/12 08:00	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 11:52
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	30.97	103	75 - 120	
Dibromofluoromethane	30.00	31.11	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.42	105	70 - 120	
Toluene-d8	30.00	30.79	103	85 - 120	

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01	File ID:	0414701.D
Sampled:	04/24/12 16:08	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 15:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01	File ID:	0414701.D
Sampled:	04/24/12 16:08	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 15:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	31.22	104	75 - 120	
Dibromofluoromethane	30.00	31.17	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.66	106	70 - 120	
Toluene-d8	30.00	30.68	102	85 - 120	

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03	File ID:	0414703D.D
Sampled:	04/24/12 15:45	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 16:21
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	38.7	12.5	25.0	50.0	D, J
71-43-2	Benzene	287	1.25	2.50	5.00	D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene	2.95	1.25	2.50	5.00	J, D
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene	3.55	1.25	2.50	5.00	J, D
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	X, U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane	2.35	1.25	2.50	5.00	J, D
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	62.2	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03	File ID:	0414703D.D
Sampled:	04/24/12 15:45	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 16:21
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	22.2	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	1.90	1.25	2.50	5.00	J, D
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene	17.2	1.25	2.50	5.00	D
108-10-1	4-Methyl-2-pentanone	24.8	6.25	12.5	25.0	J, D
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	11.6	1.25	2.50	5.00	D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene	61.8	1.25	2.50	5.00	D
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	5.00	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	5.00	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	14.0	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	29.8	1.25	2.50	5.00	D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	166	3.75	7.50	15.0	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.31	101	75 - 120	
Dibromofluoromethane	30.00	30.52	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.18	101	70 - 120	
Toluene-d8	30.00	31.33	104	85 - 120	

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05	File ID:	0414705D.D
Sampled:	04/25/12 13:47	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 16:48
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		12.5	25.0	50.0	U
71-43-2	Benzene	2.45	1.25	2.50	5.00	J, D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene	1.45	1.25	2.50	5.00	D, J
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	X, U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	17.9	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05	File ID:	0414705D.D
Sampled:	04/25/12 13:47	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 16:48
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	7.30	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	3.05	1.25	2.50	5.00	J, D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	5.00	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	5.00	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	2.05	1.25	2.50	5.00	J, D
95-63-6	1,2,4-Trimethylbenzene	1.60	1.25	2.50	5.00	J, D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.55	102	75 - 120	
Dibromofluoromethane	30.00	30.52	102	85 - 115	
1,2-Dichloroethane-d4	30.00	29.59	98.6	70 - 120	
Toluene-d8	30.00	31.08	104	85 - 120	

ANALYSIS DATA SHEET

GW0572

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07	File ID:	0414707.D
Sampled:	04/25/12 11:20	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 17:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0572

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07	File ID:	0414707.D
Sampled:	04/25/12 11:20	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 17:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	30.37	101	75 - 120	
Dibromofluoromethane	30.00	30.89	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.37	101	70 - 120	
Toluene-d8	30.00	30.63	102	85 - 120	

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09	File ID:	0414709.D
Sampled:	04/25/12 11:31	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 17:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09	File ID:	0414709.D
Sampled:	04/25/12 11:31	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 17:41
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	31.01	103	75 - 120	
Dibromofluoromethane	30.00	31.17	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.65	102	70 - 120	
Toluene-d8	30.00	31.14	104	85 - 120	

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11	File ID:	0414711.D
Sampled:	04/25/12 14:05	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 18:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11	File ID:	0414711.D
Sampled:	04/25/12 14:05	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 18:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	0.760	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene	0.330	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		0.250	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	30.65	102	75 - 120	
Dibromofluoromethane	30.00	31.20	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.54	102	70 - 120	
Toluene-d8	30.00	30.34	101	85 - 120	

ANALYSIS DATA SHEET

GW8197-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-13	File ID:	0414713.D
Sampled:	04/25/12 08:00	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 12:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW8197-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-13	File ID:	0414713.D
Sampled:	04/25/12 08:00	Prepared:	05/02/12 00:00	Analyzed:	05/02/12 12:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	30.93	103	75 - 120	
Dibromofluoromethane	30.00	31.16	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.13	104	70 - 120	
Toluene-d8	30.00	30.35	101	85 - 120	

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01	File ID:	0416101D.D
Sampled:	04/26/12 10:50	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 16:21
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	2150	250	500	1000	D
71-43-2	Benzene	7650	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	Y, U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone	824	250	500	1000	J, D
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide	78.0	25.0	50.0	100	J, D
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	Y, U
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	114	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	X, U
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	1360	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01	File ID:	0416101D.D
Sampled:	04/26/12 10:50	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 16:21
Solids:		Preparation:	5030B	Dilution:	100

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	247	125	250	500	J, D
98-82-8	Isopropylbenzene	99.0	25.0	50.0	100	J, D
99-87-6	p-Isopropyltoluene	54.0	25.0	50.0	100	J, D
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	121	25.0	50.0	200	J, D
108-10-1	4-Methyl-2-pentanone		125	250	500	U
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	91.0	25.0	50.0	100	J, D
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	11100	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	98.0	25.0	50.0	100	J, D
95-63-6	1,2,4-Trimethylbenzene	295	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	2620	75.0	150	300	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.28	104	75 - 120	
Dibromofluoromethane	30.00	31.12	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.37	105	70 - 120	
Toluene-d8	30.00	30.66	102	85 - 120	

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03	File ID:	0416103.D
Sampled:	04/26/12 14:38	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03	File ID:	0416103.D
Sampled:	04/26/12 14:38	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	31.38	105	75 - 120	
Dibromofluoromethane	30.00	31.13	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.06	104	70 - 120	
Toluene-d8	30.00	30.62	102	85 - 120	

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05	File ID:	0416105D.D
Sampled:	04/25/12 16:17	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 16:48
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	13.5	12.5	25.0	50.0	D, J
71-43-2	Benzene	39.8	1.25	2.50	5.00	D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	Y, U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide	1.50	1.25	2.50	5.00	D, J
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	Y, U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	X, U
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	45.5	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05	File ID:	0416105D.D
Sampled:	04/25/12 16:17	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 16:48
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	12.8	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene	6.15	1.25	2.50	10.0	J, D
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	5.00	1.25	2.50	5.00	D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	6.45	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	1.80	1.25	2.50	5.00	D, J
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	9.15	3.75	7.50	15.0	J, D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.40	101	75 - 120	
Dibromofluoromethane	30.00	30.64	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.09	100	70 - 120	
Toluene-d8	30.00	30.61	102	85 - 120	

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07	File ID:	0416107.D
Sampled:	04/26/12 13:47	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	7.43	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)	0.570	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	0.950	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	2.00	U

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07	File ID:	0416107.D
Sampled:	04/26/12 13:47	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	1.83	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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	0.800	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	30.59	102	75 - 120	
Dibromofluoromethane	30.00	31.03	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.91	103	70 - 120	
Toluene-d8	30.00	30.66	102	85 - 120	

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09	File ID:	0416109.D
Sampled:	04/26/12 11:36	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 14:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09	File ID:	0416109.D
Sampled:	04/26/12 11:36	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 14:07
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.02	103	75 - 120	
Dibromofluoromethane	30.00	31.39	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.19	104	70 - 120	
Toluene-d8	30.00	30.47	102	85 - 120	

ANALYSIS DATA SHEET

GW8198-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-11	File ID:	0416111.D
Sampled:	04/26/12 08:00	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 10:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8198-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-11	File ID:	0416111.D
Sampled:	04/26/12 08:00	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 10:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	30.58	102	75 - 120	
Dibromofluoromethane	30.00	30.82	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.28	104	70 - 120	
Toluene-d8	30.00	30.37	101	85 - 120	

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01	File ID:	0416401.D
Sampled:	04/27/12 15:48	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 15:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.51	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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01	File ID:	0416401.D
Sampled:	04/27/12 15:48	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 15:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	30.95	103	75 - 120	
Dibromofluoromethane	30.00	31.33	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.01	103	70 - 120	
Toluene-d8	30.00	30.61	102	85 - 120	

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03	File ID:	0416403.D
Sampled:	04/27/12 13:50	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 15:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03	File ID:	0416403.D
Sampled:	04/27/12 13:50	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 15:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	30.85	103	75 - 120	
Dibromofluoromethane	30.00	31.39	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.00	103	70 - 120	
Toluene-d8	30.00	30.63	102	85 - 120	

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05	File ID:	0416405.D
Sampled:	04/27/12 11:33	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 15:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05	File ID:	0416405.D
Sampled:	04/27/12 11:33	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 15:54
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	30.64	102	75 - 120	
Dibromofluoromethane	30.00	31.16	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.84	103	70 - 120	
Toluene-d8	30.00	30.55	102	85 - 120	

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07	File ID:	0416407.D
Sampled:	04/26/12 16:08	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	10.3	2.50	5.00	10.0	
71-43-2	Benzene	0.340	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	1.63	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	Y, U

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07	File ID:	0416407.D
Sampled:	04/26/12 16:08	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 13:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.410	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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	1.17	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.19	94.0	75 - 120	
Dibromofluoromethane	30.00	31.55	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.15	100	70 - 120	
Toluene-d8	30.00	30.61	102	85 - 120	

ANALYSIS DATA SHEET

GW8051-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-09	File ID:	0416409.D
Sampled:	04/27/12 11:33	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 12:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW8051-AB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-09	File ID:	0416409.D
Sampled:	04/27/12 11:33	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 12:33
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	27.64	92.1	75 - 120	
Dibromofluoromethane	30.00	32.29	108	85 - 115	
1,2-Dichloroethane-d4	30.00	30.39	101	70 - 120	
Toluene-d8	30.00	29.80	99.3	85 - 120	

ANALYSIS DATA SHEET

GW8199-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-10	File ID:	0416410.D
Sampled:	04/27/12 08:00	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 12:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW8199-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-10	File ID:	0416410.D
Sampled:	04/27/12 08:00	Prepared:	05/03/12 00:00	Analyzed:	05/03/12 12:06
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	28.45	94.8	75 - 120	
Dibromofluoromethane	30.00	31.38	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.29	101	70 - 120	
Toluene-d8	30.00	30.25	101	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11801	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D11801-CCV1) ug/L				Lab File ID: 0426CCV1.D		Analyzed: 04/26/12 10:50		
Bromofluorobenzene	30.00	110	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	115	80 - 120	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	80 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	80 - 120	9.65	9.65	0.0000	+/-1.000	
LCS (2D26013-BS1) ug/L				Lab File ID: 0426LCS1.D		Analyzed: 04/26/12 11:18		
Bromofluorobenzene	30.00	107	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	114	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.65	9.65	0.0000	+/-1.000	
Blank (2D26013-BLK1) ug/L				Lab File ID: 0426BL1.D		Analyzed: 04/26/12 12:38		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	99.1	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW8195-TB (1204127-11) ug/L				Lab File ID: 0412711.D		Analyzed: 04/26/12 13:35		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	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	99.1	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0541 (1204127-01) ug/L				Lab File ID: 0412701.D		Analyzed: 04/26/12 14:55		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.26	0.0100	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	99.9	85 - 120	9.65	9.65	0.0000	+/-1.000	
GW0542 (1204127-03) ug/L				Lab File ID: 0412703.D		Analyzed: 04/26/12 15:22		
Bromofluorobenzene	30.00	107	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0620 (1204127-05) ug/L				Lab File ID: 0412705.D		Analyzed: 04/26/12 15:48		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	98.9	85 - 120	9.65	9.65	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11801	Instrument:	MS-VOA6
		Calibration:	2103002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0621 (1204127-07) ug/L				Lab File ID: 0412707.D		Analyzed: 04/26/12 16:15		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.94	6.94	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.44	7.43	0.0100	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.64	9.65	-0.0100	+/-1.000	
GW0622 (1204127-09) ug/L				Lab File ID: 0412709.D		Analyzed: 04/26/12 16:42		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	113	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	99.3	85 - 120	9.64	9.65	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12303	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12303-CCV1) ug/L				Lab File ID: 0502CCV1.D		Analyzed: 05/02/12 07:45		
Bromofluorobenzene	30.00	107	80 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	80 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	107	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2E02004-BS1) ug/L				Lab File ID: 0502LCS1.D		Analyzed: 05/02/12 08:12		
Bromofluorobenzene	30.00	105	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	106	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	104	85 - 120	9.63	9.64	-0.0100	+/-1.000	
Blank (2E02004-BLK1) ug/L				Lab File ID: 0502BL1.D		Analyzed: 05/02/12 09:33		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8196-TB (1204139-15) ug/L				Lab File ID: 0413915.D		Analyzed: 05/02/12 11:52		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW8197-TB (1204147-13) ug/L				Lab File ID: 0414713.D		Analyzed: 05/02/12 12:19		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.26	-0.0100	+/-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	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0540 (1204139-01) ug/L				Lab File ID: 0413901.D		Analyzed: 05/02/12 12:46		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	96.1	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.5	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0558 (1204139-03) ug/L				Lab File ID: 0413903.D		Analyzed: 05/02/12 13:13		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12303	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0559 (1204139-05) ug/L				Lab File ID: 0413905.D		Analyzed: 05/02/12 13:40		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0566 (1204139-07) ug/L				Lab File ID: 0413907.D		Analyzed: 05/02/12 14:06		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	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	
GW0567 (1204139-09) ug/L				Lab File ID: 0413909.D		Analyzed: 05/02/12 14:33		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0568 (1204139-11) ug/L				Lab File ID: 0413911.D		Analyzed: 05/02/12 15:00		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0619 (1204139-13) ug/L				Lab File ID: 0413913.D		Analyzed: 05/02/12 15:27		
Bromofluorobenzene	30.00	105	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	103	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0557 (1204147-01) ug/L				Lab File ID: 0414701.D		Analyzed: 05/02/12 15:54		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	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	
GW0569 (1204147-03) ug/L				Lab File ID: 0414703D.D		Analyzed: 05/02/12 16:21		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.26	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12303	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0571 (1204147-05) ug/L				Lab File ID: 0414705D.D		Analyzed: 05/02/12 16:48		
Bromofluorobenzene	30.00	102	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.6	70 - 120	7.42	7.43	-0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0572 (1204147-07) ug/L				Lab File ID: 0414707.D		Analyzed: 05/02/12 17:14		
Bromofluorobenzene	30.00	101	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.93	6.93	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	
GW0574 (1204147-09) ug/L				Lab File ID: 0414709.D		Analyzed: 05/02/12 17:41		
Bromofluorobenzene	30.00	103	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.43	7.43	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0575 (1204147-11) ug/L				Lab File ID: 0414711.D		Analyzed: 05/02/12 18:08		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.26	-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	101	85 - 120	9.64	9.64	0.0000	+/-1.000	
Matrix Spike (2E02004-MS1) ug/L				Lab File ID: 0413903M.D		Analyzed: 05/02/12 18:35		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.94	6.93	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	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	
Matrix Spike Dup (2E02004-MSD1) ug/L				Lab File ID: 0413903S.D		Analyzed: 05/02/12 19:01		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.26	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	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	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12505	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12505-CCV1) ug/L				Lab File ID: 0503CCV1.D		Analyzed: 05/03/12 07:24		
Bromofluorobenzene	30.00	106	80 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	80 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	105	80 - 120	9.64	9.64	0.0000	+/-1.000	
LCS (2E03011-BS1) ug/L				Lab File ID: 0503LCS1.D		Analyzed: 05/03/12 07:51		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.63	9.64	-0.0100	+/-1.000	
Blank (2E03011-BLK1) ug/L				Lab File ID: 0503BL1.D		Analyzed: 05/03/12 09:12		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW8198-TB (1204161-11) ug/L				Lab File ID: 0416111.D		Analyzed: 05/03/12 10:05		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0515 (1204161-03) ug/L				Lab File ID: 0416103.D		Analyzed: 05/03/12 13:13		
Bromofluorobenzene	30.00	105	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0594 (1204161-07) ug/L				Lab File ID: 0416107.D		Analyzed: 05/03/12 13:40		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0595 (1204161-09) ug/L				Lab File ID: 0416109.D		Analyzed: 05/03/12 14:07		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12505	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0530 (1204164-01) ug/L				Lab File ID: 0416401.D		Analyzed: 05/03/12 15:01		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0531 (1204164-03) ug/L				Lab File ID: 0416403.D		Analyzed: 05/03/12 15:27		
Bromofluorobenzene	30.00	103	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0532 (1204164-05) ug/L				Lab File ID: 0416405.D		Analyzed: 05/03/12 15:54		
Bromofluorobenzene	30.00	102	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
GW0514 (1204161-01) ug/L				Lab File ID: 0416101D.D		Analyzed: 05/03/12 16:21		
Bromofluorobenzene	30.00	104	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	
GW0573 (1204161-05) ug/L				Lab File ID: 0416105D.D		Analyzed: 05/03/12 16:48		
Bromofluorobenzene	30.00	101	75 - 120	12.25	12.25	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.92	6.93	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.63	9.64	-0.0100	+/-1.000	
LCS Dup (2E03011-BSD1) ug/L				Lab File ID: 0503LCD1.D		Analyzed: 05/03/12 18:08		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.25	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.93	6.93	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.42	7.42	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.64	9.64	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
		Calibration:	2114002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12512-CCV1) ug/L				Lab File ID: 0503CCV1.D		Analyzed: 05/03/12 07:56		
Bromofluorobenzene	30.00	101	80 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	80 - 120	6.78	6.78	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.52	9.52	0.0000	+/-1.000	
LCS (2E03012-BS1) ug/L				Lab File ID: 0503LCS1.D		Analyzed: 05/03/12 08:32		
Bromofluorobenzene	30.00	98.7	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.78	6.78	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.52	9.52	0.0000	+/-1.000	
Blank (2E03012-BLK1) ug/L				Lab File ID: 0503BL1.D		Analyzed: 05/03/12 09:52		
Bromofluorobenzene	30.00	93.9	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW8199-TB (1204164-10) ug/L				Lab File ID: 0416410.D		Analyzed: 05/03/12 12:06		
Bromofluorobenzene	30.00	94.8	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW8051-AB (1204164-09) ug/L				Lab File ID: 0416409.D		Analyzed: 05/03/12 12:33		
Bromofluorobenzene	30.00	92.1	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	99.3	85 - 120	9.51	9.52	-0.0100	+/-1.000	
GW0593 (1204164-07) ug/L				Lab File ID: 0416407.D		Analyzed: 05/03/12 13:00		
Bromofluorobenzene	30.00	94.0	75 - 120	12.15	12.14	0.0100	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.78	6.78	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.28	7.28	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.52	9.52	0.0000	+/-1.000	
LCS Dup (2E03012-BSD1) ug/L				Lab File ID: 0503LCD1.D		Analyzed: 05/03/12 17:54		
Bromofluorobenzene	30.00	97.9	75 - 120	12.14	12.14	0.0000	+/-1.000	
Dibromofluoromethane	30.00	106	85 - 115	6.77	6.78	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.6	70 - 120	7.27	7.28	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.51	9.52	-0.0100	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26013	Laboratory ID:	2D26013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	102	102	40 - 140
Benzene	50.00	51.1	102	80 - 120
Bromobenzene	50.00	53.5	107	75 - 125
Bromochloromethane	50.00	56.5	113	65 - 130
Bromodichloromethane	50.00	58.2	116	75 - 120
Bromoform	50.00	59.1	118	70 - 130
Bromomethane	50.00	50.2	100	30 - 145
n-Butylbenzene	50.00	54.5	109	70 - 135
2-Butanone	100.0	97.5	97.5	30 - 150
sec-Butylbenzene	50.00	51.8	104	70 - 125
tert-Butylbenzene	50.00	53.6	107	70 - 130
Carbon disulfide	50.00	47.2	94.4	35 - 160
Carbon tetrachloride	50.00	63.2	126	65 - 140
Chlorobenzene	50.00	49.5	98.9	80 - 120
Chloroethane	50.00	56.9	114	60 - 135
Chloroform	50.00	56.7	113	65 - 135
Chloromethane	50.00	38.4	76.9	40 - 125
2-Chlorotoluene	50.00	50.9	102	75 - 125
4-Chlorotoluene	50.00	51.9	104	75 - 130
Dibromochloromethane	50.00	56.3	113	60 - 135
1,2-Dibromo-3-chloropropane	50.00	56.8	114	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.7	109	80 - 120
Dibromomethane	50.00	55.7	111	75 - 125
1,2-Dichlorobenzene	50.00	52.1	104	70 - 120
1,3-Dichlorobenzene	50.00	51.7	103	75 - 125
1,4-Dichlorobenzene	50.00	51.6	103	75 - 125
Dichlorodifluoromethane	50.00	51.6	103	30 - 155
1,1-Dichloroethane	50.00	54.4	109	70 - 135
1,2-Dichloroethane	50.00	63.7	127	70 - 130
1,1-Dichloroethene	50.00	53.1	106	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26013	Laboratory ID:	2D26013-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	53.4	107	70 - 125
trans-1,2-Dichloroethene	50.00	54.4	109	60 - 140
1,2-Dichloropropane	50.00	50.1	100	75 - 125
1,3-Dichloropropane	50.00	51.1	102	75 - 125
2,2-Dichloropropane	50.00	65.1	130	70 - 135
1,1-Dichloropropene	50.00	54.7	109	75 - 130
cis-1,3-Dichloropropene	50.00	57.3	115	70 - 130
trans-1,3-Dichloropropene	50.00	51.6	103	55 - 140
Ethylbenzene	50.00	51.6	103	75 - 125
Hexachlorobutadiene	50.00	52.6	105	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	50.1	100	75 - 125
p-Isopropyltoluene	50.00	51.4	103	75 - 130
Methylene chloride	50.00	48.5	97.0	55 - 140
Naphthalene	50.00	47.0	93.9	55 - 140
4-Methyl-2-pentanone	100.0	107	107	60 - 135
Methyl t-Butyl Ether	50.00	61.2	122	65 - 125
n-Propylbenzene	50.00	50.5	101	70 - 130
Styrene	50.00	51.3	103	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.0	98.1	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.2	108	80 - 130
Tetrachloroethene	50.00	54.0	108	45 - 150
Toluene	50.00	49.3	98.7	75 - 120
1,2,3-Trichlorobenzene	50.00	49.4	98.9	55 - 140
1,2,4-Trichlorobenzene	50.00	49.6	99.2	65 - 135
1,1,2-Trichloroethane	50.00	51.2	102	75 - 125
1,1,1-Trichloroethane	**50.00**	**66.0**	**132**	**65 - 130**
Trichloroethene	50.00	56.8	114	70 - 125
Trichlorofluoromethane	50.00	67.1	134	60 - 145
1,2,3-Trichloropropane	50.00	59.1	118	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26013	Laboratory ID:	2D26013-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	54.8	110	75 - 130
1,2,4-Trimethylbenzene	50.00	54.6	109	75 - 130
Vinyl chloride	50.00	61.4	123	50 - 145
Xylenes (total)	150.0	158	105	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E02004	Laboratory ID:	2E02004-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	85.6	85.6	40 - 140
Benzene	50.00	48.3	96.6	80 - 120
Bromobenzene	50.00	48.1	96.1	75 - 125
Bromochloromethane	50.00	49.8	99.7	65 - 130
Bromodichloromethane	50.00	49.2	98.4	75 - 120
Bromoform	50.00	50.2	100	70 - 130
Bromomethane	50.00	40.1	80.2	30 - 145
n-Butylbenzene	50.00	50.8	102	70 - 135
2-Butanone	100.0	93.6	93.6	30 - 150
sec-Butylbenzene	50.00	48.8	97.6	70 - 125
tert-Butylbenzene	50.00	49.3	98.5	70 - 130
Carbon disulfide	50.00	44.6	89.2	35 - 160
Carbon tetrachloride	50.00	56.0	112	65 - 140
Chlorobenzene	50.00	47.3	94.7	80 - 120
Chloroethane	50.00	46.5	92.9	60 - 135
Chloroform	50.00	47.3	94.6	65 - 135
Chloromethane	50.00	37.8	75.5	40 - 125
2-Chlorotoluene	50.00	46.4	92.8	75 - 125
4-Chlorotoluene	50.00	46.7	93.4	75 - 130
Dibromochloromethane	50.00	48.6	97.1	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.8	102	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.2	98.5	80 - 120
Dibromomethane	50.00	48.6	97.1	75 - 125
1,2-Dichlorobenzene	50.00	47.7	95.5	70 - 120
1,3-Dichlorobenzene	50.00	47.2	94.4	75 - 125
1,4-Dichlorobenzene	50.00	47.8	95.6	75 - 125
Dichlorodifluoromethane	50.00	60.5	121	30 - 155
1,1-Dichloroethane	50.00	48.4	96.7	70 - 135
1,2-Dichloroethane	50.00	48.3	96.6	70 - 130
1,1-Dichloroethene	50.00	44.1	88.3	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E02004	Laboratory ID:	2E02004-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.1	96.3	70 - 125
trans-1,2-Dichloroethene	50.00	49.4	98.9	60 - 140
1,2-Dichloropropane	50.00	48.2	96.4	75 - 125
1,3-Dichloropropane	50.00	48.8	97.5	75 - 125
2,2-Dichloropropane	50.00	54.3	109	70 - 135
1,1-Dichloropropene	50.00	49.5	99.0	75 - 130
cis-1,3-Dichloropropene	50.00	52.6	105	70 - 130
trans-1,3-Dichloropropene	50.00	46.8	93.7	55 - 140
Ethylbenzene	50.00	49.0	98.1	75 - 125
Hexachlorobutadiene	50.00	53.8	108	50 - 140
2-Hexanone	100.0	102	102	55 - 130
Isopropylbenzene	50.00	46.7	93.3	75 - 125
p-Isopropyltoluene	50.00	47.6	95.2	75 - 130
Methylene chloride	50.00	42.2	84.4	55 - 140
Naphthalene	50.00	53.0	106	55 - 140
4-Methyl-2-pentanone	100.0	103	103	60 - 135
Methyl t-Butyl Ether	50.00	49.9	99.9	65 - 125
n-Propylbenzene	50.00	47.7	95.4	70 - 130
Styrene	50.00	49.3	98.7	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.8	95.6	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.4	107	80 - 130
Tetrachloroethene	50.00	49.9	99.7	45 - 150
Toluene	50.00	48.5	97.0	75 - 120
1,2,3-Trichlorobenzene	50.00	52.0	104	55 - 140
1,2,4-Trichlorobenzene	50.00	50.9	102	65 - 135
1,1,2-Trichloroethane	50.00	48.5	96.9	75 - 125
1,1,1-Trichloroethane	50.00	53.1	106	65 - 130
Trichloroethene	50.00	49.5	99.0	70 - 125
Trichlorofluoromethane	50.00	54.5	109	60 - 145
1,2,3-Trichloropropane	50.00	50.8	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E02004	Laboratory ID:	2E02004-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	50.4	101	75 - 130
1,2,4-Trimethylbenzene	50.00	49.9	99.9	75 - 130
Vinyl chloride	50.00	51.6	103	50 - 145
Xylenes (total)	150.0	146	97.5	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03011	Laboratory ID:	2E03011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	88.7	88.7	40 - 140
Benzene	50.00	48.0	95.9	80 - 120
Bromobenzene	50.00	47.7	95.4	75 - 125
Bromochloromethane	50.00	48.4	96.9	65 - 130
Bromodichloromethane	50.00	48.0	96.0	75 - 120
Bromoform	50.00	46.1	92.2	70 - 130
Bromomethane	50.00	36.4	72.8	30 - 145
n-Butylbenzene	50.00	49.2	98.4	70 - 135
2-Butanone	100.0	96.0	96.0	30 - 150
sec-Butylbenzene	50.00	47.8	95.6	70 - 125
tert-Butylbenzene	50.00	48.2	96.4	70 - 130
Carbon disulfide	50.00	41.5	83.0	35 - 160
Carbon tetrachloride	50.00	53.9	108	65 - 140
Chlorobenzene	50.00	45.9	91.8	80 - 120
Chloroethane	50.00	50.7	101	60 - 135
Chloroform	50.00	46.8	93.6	65 - 135
Chloromethane	50.00	33.1	66.2	40 - 125
2-Chlorotoluene	50.00	46.1	92.1	75 - 125
4-Chlorotoluene	50.00	46.1	92.2	75 - 130
Dibromochloromethane	50.00	45.8	91.6	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.6	93.3	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.2	94.3	80 - 120
Dibromomethane	50.00	47.4	94.7	75 - 125
1,2-Dichlorobenzene	50.00	46.1	92.1	70 - 120
1,3-Dichlorobenzene	50.00	46.3	92.6	75 - 125
1,4-Dichlorobenzene	50.00	47.1	94.1	75 - 125
Dichlorodifluoromethane	50.00	61.0	122	30 - 155
1,1-Dichloroethane	50.00	47.6	95.3	70 - 135
1,2-Dichloroethane	50.00	47.5	95.0	70 - 130
1,1-Dichloroethene	50.00	47.3	94.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03011	Laboratory ID:	2E03011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	47.7	95.4	70 - 125
trans-1,2-Dichloroethene	50.00	49.0	97.9	60 - 140
1,2-Dichloropropane	50.00	47.4	94.9	75 - 125
1,3-Dichloropropane	50.00	46.5	93.0	75 - 125
2,2-Dichloropropane	50.00	53.3	107	70 - 135
1,1-Dichloropropene	50.00	49.7	99.4	75 - 130
cis-1,3-Dichloropropene	50.00	52.0	104	70 - 130
trans-1,3-Dichloropropene	50.00	45.2	90.3	55 - 140
Ethylbenzene	50.00	47.9	95.8	75 - 125
Hexachlorobutadiene	50.00	50.5	101	50 - 140
2-Hexanone	100.0	104	104	55 - 130
Isopropylbenzene	50.00	45.8	91.7	75 - 125
p-Isopropyltoluene	50.00	46.5	92.9	75 - 130
Methylene chloride	50.00	42.3	84.6	55 - 140
Naphthalene	50.00	50.2	100	55 - 140
4-Methyl-2-pentanone	100.0	108	108	60 - 135
Methyl t-Butyl Ether	50.00	48.3	96.6	65 - 125
n-Propylbenzene	50.00	47.1	94.2	70 - 130
Styrene	50.00	48.1	96.2	65 - 135
1,1,2,2-Tetrachloroethane	50.00	45.7	91.4	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.4	103	80 - 130
Tetrachloroethene	50.00	47.9	95.8	45 - 150
Toluene	50.00	47.6	95.2	75 - 120
1,2,3-Trichlorobenzene	50.00	49.3	98.7	55 - 140
1,2,4-Trichlorobenzene	50.00	49.1	98.2	65 - 135
1,1,2-Trichloroethane	50.00	46.8	93.6	75 - 125
1,1,1-Trichloroethane	50.00	52.0	104	65 - 130
Trichloroethene	50.00	48.9	97.8	70 - 125
Trichlorofluoromethane	50.00	50.9	102	60 - 145
1,2,3-Trichloropropane	50.00	47.3	94.7	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03011	Laboratory ID:	2E03011-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	49.9	99.8	75 - 130
1,2,4-Trimethylbenzene	50.00	48.9	97.8	75 - 130
Vinyl chloride	50.00	52.6	105	50 - 145
Xylenes (total)	150.0	142	94.9	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	87.5	87.5	1.38	30	40 - 140
Benzene	50.00	49.4	98.8	2.98	30	80 - 120
Bromobenzene	50.00	48.1	96.2	0.814	30	75 - 125
Bromochloromethane	50.00	49.7	99.4	2.57	30	65 - 130
Bromodichloromethane	50.00	49.2	98.5	2.57	30	75 - 120
Bromoform	50.00	46.5	93.0	0.929	30	70 - 130
Bromomethane	50.00	30.3	60.6	18.4	30	30 - 145
n-Butylbenzene	50.00	47.9	95.8	2.72	30	70 - 135
2-Butanone	100.0	90.8	90.8	5.55	30	30 - 150
sec-Butylbenzene	50.00	47.8	95.5	0.0837	30	70 - 125
tert-Butylbenzene	50.00	48.4	96.9	0.497	30	70 - 130
Carbon disulfide	50.00	40.5	81.0	2.49	30	35 - 160
Carbon tetrachloride	50.00	53.6	107	0.539	30	65 - 140
Chlorobenzene	50.00	46.8	93.5	1.92	30	80 - 120
Chloroethane	50.00	48.3	96.7	4.77	30	60 - 135
Chloroform	50.00	49.2	98.4	4.92	30	65 - 135
Chloromethane	50.00	36.8	73.5	10.5	30	40 - 125
2-Chlorotoluene	50.00	47.9	95.8	3.92	30	75 - 125
4-Chlorotoluene	50.00	47.2	94.4	2.34	30	75 - 130
Dibromochloromethane	50.00	45.6	91.1	0.569	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.2	98.4	5.38	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.0	98.0	3.87	30	80 - 120
Dibromomethane	50.00	49.3	98.6	4.03	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03011	Laboratory ID:	2E03011-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	47.3	94.6	2.70	30	70 - 120
1,3-Dichlorobenzene	50.00	47.0	94.0	1.54	30	75 - 125
1,4-Dichlorobenzene	50.00	47.7	95.4	1.39	30	75 - 125
Dichlorodifluoromethane	50.00	61.1	122	0.115	30	30 - 155
1,1-Dichloroethane	50.00	49.0	98.0	2.81	30	70 - 135
1,2-Dichloroethane	50.00	50.8	102	6.80	30	70 - 130
1,1-Dichloroethene	50.00	42.8	85.7	9.90	30	70 - 130
cis-1,2-Dichloroethene	50.00	48.9	97.9	2.57	30	70 - 125
trans-1,2-Dichloroethene	50.00	49.6	99.1	1.20	30	60 - 140
1,2-Dichloropropane	50.00	48.5	97.0	2.19	30	75 - 125
1,3-Dichloropropane	50.00	48.1	96.1	3.30	30	75 - 125
2,2-Dichloropropane	50.00	48.8	97.5	8.90	30	70 - 135
1,1-Dichloropropene	50.00	50.2	100	1.06	30	75 - 130
cis-1,3-Dichloropropene	50.00	51.8	104	0.463	30	70 - 130
trans-1,3-Dichloropropene	50.00	45.3	90.6	0.243	30	55 - 140
Ethylbenzene	50.00	48.3	96.5	0.769	30	75 - 125
Hexachlorobutadiene	50.00	40.8	81.6	21.3	30	50 - 140
2-Hexanone	100.0	96.6	96.6	7.37	30	55 - 130
Isopropylbenzene	50.00	46.4	92.8	1.24	30	75 - 125
p-Isopropyltoluene	50.00	46.1	92.3	0.691	30	75 - 130
Methylene chloride	50.00	44.5	88.9	4.98	30	55 - 140
Naphthalene	50.00	51.1	102	1.92	30	55 - 140
4-Methyl-2-pentanone	100.0	99.2	99.2	8.36	30	60 - 135
Methyl t-Butyl Ether	50.00	49.1	98.2	1.68	30	65 - 125
n-Propylbenzene	50.00	47.4	94.8	0.698	30	70 - 130
Styrene	50.00	49.1	98.2	2.06	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.7	97.4	6.33	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.5	103	0.291	30	80 - 130
Tetrachloroethene	50.00	47.5	95.0	0.859	30	45 - 150
Toluene	50.00	48.7	97.4	2.35	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03011	Laboratory ID:	2E03011-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	46.8	93.6	5.22	30	55 - 140
1,2,4-Trichlorobenzene	50.00	47.1	94.1	4.20	30	65 - 135
1,1,2-Trichloroethane	50.00	48.7	97.4	3.94	30	75 - 125
1,1,1-Trichloroethane	50.00	53.1	106	2.08	30	65 - 130
Trichloroethene	50.00	50.4	101	3.12	30	70 - 125
Trichlorofluoromethane	50.00	55.8	112	9.22	30	60 - 145
1,2,3-Trichloropropane	50.00	50.6	101	6.74	30	75 - 125
1,3,5-Trimethylbenzene	50.00	50.7	101	1.53	30	75 - 130
1,2,4-Trimethylbenzene	50.00	49.5	99.0	1.26	30	75 - 130
Vinyl chloride	50.00	54.7	109	4.08	30	50 - 145
Xylenes (total)	150.0	147	97.7	2.94	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	92.1	92.1	40 - 140
Benzene	50.00	47.9	95.7	80 - 120
Bromobenzene	50.00	53.0	106	75 - 125
Bromochloromethane	50.00	48.0	96.0	65 - 130
Bromodichloromethane	50.00	47.7	95.4	75 - 120
Bromoform	50.00	47.3	94.6	70 - 130
Bromomethane	50.00	46.3	92.6	30 - 145
n-Butylbenzene	50.00	47.1	94.3	70 - 135
2-Butanone	100.0	113	113	30 - 150
sec-Butylbenzene	50.00	47.7	95.4	70 - 125
tert-Butylbenzene	50.00	47.7	95.4	70 - 130
Carbon disulfide	50.00	42.9	85.8	35 - 160
Carbon tetrachloride	50.00	53.4	107	65 - 140
Chlorobenzene	50.00	45.7	91.4	80 - 120
Chloroethane	50.00	51.8	104	60 - 135
Chloroform	50.00	47.2	94.5	65 - 135
Chloromethane	50.00	50.6	101	40 - 125
2-Chlorotoluene	50.00	50.2	100	75 - 125
4-Chlorotoluene	50.00	47.0	94.0	75 - 130
Dibromochloromethane	50.00	51.6	103	60 - 135
1,2-Dibromo-3-chloropropane	50.00	58.1	116	50 - 130
1,2-Dibromoethane (EDB)	50.00	50.3	101	80 - 120
Dibromomethane	50.00	47.8	95.5	75 - 125
1,2-Dichlorobenzene	50.00	49.6	99.2	70 - 120
1,3-Dichlorobenzene	50.00	49.2	98.5	75 - 125
1,4-Dichlorobenzene	50.00	48.3	96.7	75 - 125
Dichlorodifluoromethane	50.00	75.6	151	30 - 155
1,1-Dichloroethane	50.00	48.3	96.7	70 - 135
1,2-Dichloroethane	50.00	48.6	97.2	70 - 130
1,1-Dichloroethene	50.00	47.3	94.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-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	46.5	92.9	70 - 125
trans-1,2-Dichloroethene	50.00	48.4	96.9	60 - 140
1,2-Dichloropropane	50.00	48.8	97.5	75 - 125
1,3-Dichloropropane	50.00	47.9	95.9	75 - 125
2,2-Dichloropropane	50.00	52.4	105	70 - 135
1,1-Dichloropropene	50.00	49.2	98.3	75 - 130
cis-1,3-Dichloropropene	50.00	52.7	105	70 - 130
trans-1,3-Dichloropropene	50.00	48.3	96.6	55 - 140
Ethylbenzene	50.00	47.6	95.2	75 - 125
Hexachlorobutadiene	50.00	47.2	94.4	50 - 140
2-Hexanone	100.0	114	114	55 - 130
Isopropylbenzene	50.00	43.8	87.5	75 - 125
p-Isopropyltoluene	50.00	45.3	90.6	75 - 130
Methylene chloride	50.00	45.2	90.5	55 - 140
Naphthalene	50.00	49.3	98.6	55 - 140
4-Methyl-2-pentanone	100.0	114	114	60 - 135
Methyl t-Butyl Ether	50.00	50.0	100	65 - 125
n-Propylbenzene	50.00	48.3	96.7	70 - 130
Styrene	50.00	46.0	92.0	65 - 135
1,1,2,2-Tetrachloroethane	50.00	58.9	118	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.0	102	80 - 130
Tetrachloroethene	50.00	48.3	96.6	45 - 150
Toluene	50.00	47.4	94.7	75 - 120
1,2,3-Trichlorobenzene	50.00	48.4	96.8	55 - 140
1,2,4-Trichlorobenzene	50.00	49.5	99.0	65 - 135
1,1,2-Trichloroethane	50.00	49.5	99.0	75 - 125
1,1,1-Trichloroethane	50.00	50.6	101	65 - 130
Trichloroethene	50.00	47.2	94.5	70 - 125
Trichlorofluoromethane	50.00	55.4	111	60 - 145
1,2,3-Trichloropropane	50.00	51.2	102	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	49.4	98.9	75 - 130
1,2,4-Trimethylbenzene	50.00	48.2	96.5	75 - 130
Vinyl chloride	50.00	52.1	104	50 - 145
Xylenes (total)	150.0	136	90.9	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	90.1	90.1	2.21	30	40 - 140
Benzene	50.00	49.6	99.2	3.53	30	80 - 120
Bromobenzene	50.00	52.7	105	0.643	30	75 - 125
Bromochloromethane	50.00	48.6	97.2	1.22	30	65 - 130
Bromodichloromethane	50.00	48.5	97.0	1.68	30	75 - 120
Bromoform	50.00	44.3	88.5	6.68	30	70 - 130
Bromomethane	50.00	45.4	90.8	1.96	30	30 - 145
n-Butylbenzene	50.00	47.4	94.7	0.508	30	70 - 135
2-Butanone	100.0	106	106	5.67	30	30 - 150
sec-Butylbenzene	50.00	48.1	96.2	0.877	30	70 - 125
tert-Butylbenzene	50.00	48.1	96.2	0.877	30	70 - 130
Carbon disulfide	50.00	44.8	89.6	4.36	30	35 - 160
Carbon tetrachloride	50.00	53.2	106	0.394	30	65 - 140
Chlorobenzene	50.00	46.2	92.3	1.02	30	80 - 120
Chloroethane	50.00	53.1	106	2.61	30	60 - 135
Chloroform	50.00	48.4	96.8	2.40	30	65 - 135
Chloromethane	50.00	51.1	102	0.806	30	40 - 125
2-Chlorotoluene	50.00	49.8	99.6	0.800	30	75 - 125
4-Chlorotoluene	50.00	47.5	95.0	0.974	30	75 - 130
Dibromochloromethane	50.00	49.4	98.8	4.26	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	53.5	107	8.14	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.2	98.5	2.07	30	80 - 120
Dibromomethane	50.00	48.4	96.9	1.41	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	49.4	98.8	0.384	30	70 - 120
1,3-Dichlorobenzene	50.00	49.2	98.3	0.203	30	75 - 125
1,4-Dichlorobenzene	50.00	47.1	94.2	2.56	30	75 - 125
Dichlorodifluoromethane	50.00	76.2	152	0.764	30	30 - 155
1,1-Dichloroethane	50.00	49.5	99.1	2.45	30	70 - 135
1,2-Dichloroethane	50.00	50.1	100	3.12	30	70 - 130
1,1-Dichloroethene	50.00	49.0	98.0	3.47	30	70 - 130
cis-1,2-Dichloroethene	50.00	48.0	96.0	3.26	30	70 - 125
trans-1,2-Dichloroethene	50.00	50.0	100	3.13	30	60 - 140
1,2-Dichloropropane	50.00	49.7	99.4	1.97	30	75 - 125
1,3-Dichloropropane	50.00	48.0	96.0	0.104	30	75 - 125
2,2-Dichloropropane	50.00	51.2	102	2.35	30	70 - 135
1,1-Dichloropropene	50.00	50.4	101	2.43	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.4	105	0.647	30	70 - 130
trans-1,3-Dichloropropene	50.00	46.0	91.9	5.01	30	55 - 140
Ethylbenzene	50.00	47.4	94.9	0.337	30	75 - 125
Hexachlorobutadiene	50.00	41.8	83.5	12.2	30	50 - 140
2-Hexanone	100.0	106	106	7.78	30	55 - 130
Isopropylbenzene	50.00	43.7	87.3	0.229	30	75 - 125
p-Isopropyltoluene	50.00	45.0	89.9	0.731	30	75 - 130
Methylene chloride	50.00	47.3	94.6	4.43	30	55 - 140
Naphthalene	50.00	42.6	85.2	14.6	30	55 - 140
4-Methyl-2-pentanone	100.0	110	110	3.54	30	60 - 135
Methyl t-Butyl Ether	50.00	49.0	98.0	2.00	30	65 - 125
n-Propylbenzene	50.00	48.2	96.4	0.311	30	70 - 130
Styrene	50.00	45.8	91.7	0.327	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	57.3	115	2.80	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.7	99.5	2.42	30	80 - 130
Tetrachloroethene	50.00	48.2	96.4	0.207	30	45 - 150
Toluene	50.00	47.6	95.3	0.590	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03012	Laboratory ID:	2E03012-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	40.9	81.8	16.9	30	55 - 140
1,2,4-Trichlorobenzene	50.00	44.7	89.5	10.1	30	65 - 135
1,1,2-Trichloroethane	50.00	49.5	99.1	0.121	30	75 - 125
1,1,1-Trichloroethane	50.00	51.8	104	2.28	30	65 - 130
Trichloroethene	50.00	49.0	98.1	3.74	30	70 - 125
Trichlorofluoromethane	50.00	56.4	113	1.86	30	60 - 145
1,2,3-Trichloropropane	50.00	49.1	98.3	4.18	30	75 - 125
1,3,5-Trimethylbenzene	50.00	48.8	97.7	1.26	30	75 - 130
1,2,4-Trimethylbenzene	50.00	48.2	96.3	0.145	30	75 - 130
Vinyl chloride	50.00	55.0	110	5.43	30	50 - 145
Xylenes (total)	150.0	136	90.3	0.625	30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E02004

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	74.6	74.6		40 - 140
Benzene	50.00	ND	51.6	103		80 - 120
Bromobenzene	50.00	ND	52.1	104		75 - 125
Bromochloromethane	50.00	ND	51.8	104		65 - 130
Bromodichloromethane	50.00	ND	54.4	109		75 - 120
Bromoform	50.00	ND	49.7	99.4		70 - 130
Bromomethane	50.00	ND	39.0	78.0		30 - 145
n-Butylbenzene	50.00	ND	53.8	108		70 - 135
2-Butanone	100.0	ND	80.8	80.8		30 - 150
sec-Butylbenzene	50.00	ND	52.9	106		70 - 125
tert-Butylbenzene	50.00	ND	53.9	108		70 - 130
Carbon disulfide	50.00	ND	46.1	92.3		35 - 160
Carbon tetrachloride	50.00	ND	58.0	116		65 - 140
Chlorobenzene	50.00	ND	51.0	102		80 - 120
Chloroethane	50.00	ND	47.6	95.1		60 - 135
Chloroform	50.00	ND	51.4	103		65 - 135
Chloromethane	50.00	ND	33.3	66.7		40 - 125
2-Chlorotoluene	50.00	ND	51.5	103		75 - 125
4-Chlorotoluene	50.00	ND	51.7	103		75 - 130
Dibromochloromethane	50.00	ND	49.2	98.5		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	50.9	102		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	51.3	103		80 - 120
Dibromomethane	50.00	ND	52.2	104		75 - 125
1,2-Dichlorobenzene	50.00	ND	51.9	104		70 - 120
1,3-Dichlorobenzene	50.00	ND	51.6	103		75 - 125
1,4-Dichlorobenzene	50.00	ND	51.2	102		75 - 125
Dichlorodifluoromethane	50.00	ND	36.0	72.1		30 - 155
1,1-Dichloroethane	50.00	ND	51.4	103		70 - 135
1,2-Dichloroethane	50.00	ND	52.4	105		70 - 130
1,1-Dichloroethene	50.00	ND	52.0	104		70 - 130
cis-1,2-Dichloroethene	50.00	ND	51.3	103		70 - 125
trans-1,2-Dichloroethene	50.00	ND	52.1	104		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E02004

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	51.5	103		75 - 125
1,3-Dichloropropane	50.00	ND	49.7	99.4		75 - 125
2,2-Dichloropropane	50.00	ND	53.4	107		70 - 135
1,1-Dichloropropene	50.00	ND	54.4	109		75 - 130
cis-1,3-Dichloropropene	50.00	ND	52.7	105		70 - 130
trans-1,3-Dichloropropene	50.00	ND	52.6	105		55 - 140
Ethylbenzene	50.00	ND	52.6	105		75 - 125
Hexachlorobutadiene	50.00	ND	51.2	102		50 - 140
2-Hexanone	100.0	ND	87.8	87.8		55 - 130
Isopropylbenzene	50.00	ND	53.8	108		75 - 125
p-Isopropyltoluene	50.00	ND	52.7	105		75 - 130
Methylene chloride	50.00	ND	44.0	88.0		55 - 140
Naphthalene	50.00	ND	56.0	112		55 - 140
4-Methyl-2-pentanone	100.0	ND	92.3	92.3		60 - 135
Methyl t-Butyl Ether	50.00	ND	50.0	100		65 - 125
n-Propylbenzene	50.00	ND	52.8	106		70 - 130
Styrene	50.00	ND	51.9	104		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	50.8	102		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	55.7	111		80 - 130
Tetrachloroethene	50.00	ND	53.0	106		45 - 150
Toluene	50.00	ND	51.6	103		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	53.0	106		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	53.1	106		65 - 135
1,1,2-Trichloroethane	50.00	ND	49.9	99.8		75 - 125
1,1,1-Trichloroethane	50.00	ND	56.1	112		65 - 130
Trichloroethene	50.00	ND	53.6	107		70 - 125
Trichlorofluoromethane	50.00	ND	55.2	110		60 - 145
1,2,3-Trichloropropane	50.00	ND	53.2	106		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	53.6	107		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	54.1	108		75 - 130
Vinyl chloride	50.00	ND	43.9	87.9		50 - 145
Xylenes (total)	150.0	ND	158	106		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E02004

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	74.4	74.4	0.268		30	40 - 140
Benzene	50.00	49.3	98.6	4.52		30	80 - 120
Bromobenzene	50.00	50.2	100	3.79		30	75 - 125
Bromochloromethane	50.00	51.4	103	0.717		30	65 - 130
Bromodichloromethane	50.00	53.2	106	2.12		30	75 - 120
Bromoform	50.00	50.3	101	1.20		30	70 - 130
Bromomethane	50.00	37.6	75.2	3.60		30	30 - 145
n-Butylbenzene	50.00	51.0	102	5.33		30	70 - 135
2-Butanone	100.0	78.4	78.4	2.94		30	30 - 150
sec-Butylbenzene	50.00	50.6	101	4.45		30	70 - 125
tert-Butylbenzene	50.00	51.6	103	4.42		30	70 - 130
Carbon disulfide	50.00	47.3	94.6	2.48		30	35 - 160
Carbon tetrachloride	50.00	56.2	112	3.17		30	65 - 140
Chlorobenzene	50.00	49.4	98.9	3.11		30	80 - 120
Chloroethane	50.00	42.8	85.6	10.5		30	60 - 135
Chloroform	50.00	50.3	101	2.34		30	65 - 135
Chloromethane	50.00	31.9	63.8	4.42		30	40 - 125
2-Chlorotoluene	50.00	49.4	98.8	4.14		30	75 - 125
4-Chlorotoluene	50.00	49.7	99.4	3.92		30	75 - 130
Dibromochloromethane	50.00	49.9	99.8	1.29		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	51.5	103	1.04		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	51.4	103	0.0584		30	80 - 120
Dibromomethane	50.00	51.5	103	1.23		30	75 - 125
1,2-Dichlorobenzene	50.00	50.4	101	2.82		30	70 - 120
1,3-Dichlorobenzene	50.00	49.5	99.1	4.09		30	75 - 125
1,4-Dichlorobenzene	50.00	49.8	99.6	2.69		30	75 - 125
Dichlorodifluoromethane	50.00	34.8	69.6	3.50		30	30 - 155
1,1-Dichloroethane	50.00	49.4	98.9	3.95		30	70 - 135
1,2-Dichloroethane	50.00	51.3	103	2.22		30	70 - 130
1,1-Dichloroethene	50.00	46.1	92.2	12.1		30	70 - 130
cis-1,2-Dichloroethene	50.00	49.6	99.2	3.33		30	70 - 125
trans-1,2-Dichloroethene	50.00	50.0	99.9	4.25		30	60 - 140
1,2-Dichloropropane	50.00	50.2	100	2.52		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E02004

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	49.7	99.5	0.0805		30	75 - 125
2,2-Dichloropropane	50.00	50.2	100	6.20		30	70 - 135
1,1-Dichloropropene	50.00	50.7	101	7.01		30	75 - 130
cis-1,3-Dichloropropene	50.00	52.0	104	1.26		30	70 - 130
trans-1,3-Dichloropropene	50.00	52.5	105	0.267		30	55 - 140
Ethylbenzene	50.00	50.6	101	3.85		30	75 - 125
Hexachlorobutadiene	50.00	51.4	103	0.448		30	50 - 140
2-Hexanone	100.0	88.5	88.5	0.840		30	55 - 130
Isopropylbenzene	50.00	51.8	104	3.75		30	75 - 125
p-Isopropyltoluene	50.00	50.9	102	3.51		30	75 - 130
Methylene chloride	50.00	46.5	93.0	5.46		30	55 - 140
Naphthalene	50.00	55.8	112	0.376		30	55 - 140
4-Methyl-2-pentanone	100.0	91.6	91.6	0.718		30	60 - 135
Methyl t-Butyl Ether	50.00	50.0	99.9	0.140		30	65 - 125
n-Propylbenzene	50.00	50.1	100	5.23		30	70 - 130
Styrene	50.00	51.2	102	1.30		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.7	101	0.256		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.4	109	2.22		30	80 - 130
Tetrachloroethene	50.00	50.3	101	5.21		30	45 - 150
Toluene	50.00	49.8	99.6	3.59		30	75 - 120
1,2,3-Trichlorobenzene	50.00	53.3	107	0.564		30	55 - 140
1,2,4-Trichlorobenzene	50.00	52.4	105	1.31		30	65 - 135
1,1,2-Trichloroethane	50.00	49.7	99.4	0.401		30	75 - 125
1,1,1-Trichloroethane	50.00	53.9	108	3.96		30	65 - 130
Trichloroethene	50.00	50.5	101	5.94		30	70 - 125
Trichlorofluoromethane	50.00	49.5	99.1	10.7		30	60 - 145
1,2,3-Trichloropropane	50.00	53.0	106	0.339		30	75 - 125
1,3,5-Trimethylbenzene	50.00	51.4	103	4.38		30	75 - 130
1,2,4-Trimethylbenzene	50.00	51.5	103	4.77		30	75 - 130
Vinyl chloride	50.00	42.5	85.0	3.31		30	50 - 145
Xylenes (total)	150.0	153	102	3.36		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D26013 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/26/12 00:00	5.00	5.00
GW0542	1204127-03	04/26/12 00:00	5.00	5.00
GW0620	1204127-05	04/26/12 00:00	5.00	5.00
GW0621	1204127-07	04/26/12 00:00	5.00	5.00
GW0622	1204127-09	04/26/12 00:00	5.00	5.00
GW8195-TB	1204127-11	04/26/12 00:00	5.00	5.00
Blank	2D26013-BLK1	04/26/12 00:00	5.00	5.00
LCS	2D26013-BS1	04/26/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E02004 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0540	1204139-01	05/02/12 00:00	5.00	5.00
GW0558	1204139-03	05/02/12 00:00	5.00	5.00
GW0559	1204139-05	05/02/12 00:00	5.00	5.00
GW0566	1204139-07	05/02/12 00:00	5.00	5.00
GW0567	1204139-09	05/02/12 00:00	5.00	5.00
GW0568	1204139-11	05/02/12 00:00	5.00	5.00
GW0619	1204139-13	05/02/12 00:00	5.00	5.00
GW8196-TB	1204139-15	05/02/12 00:00	5.00	5.00
GW0557	1204147-01	05/02/12 00:00	5.00	5.00
GW0569	1204147-03	05/02/12 00:00	5.00	5.00
GW0571	1204147-05	05/02/12 00:00	5.00	5.00
GW0572	1204147-07	05/02/12 00:00	5.00	5.00
GW0574	1204147-09	05/02/12 00:00	5.00	5.00
GW0575	1204147-11	05/02/12 00:00	5.00	5.00
GW8197-TB	1204147-13	05/02/12 00:00	5.00	5.00
Blank	2E02004-BLK1	05/02/12 00:00	5.00	5.00
LCS	2E02004-BS1	05/02/12 00:00	5.00	5.00
GW0558	2E02004-MS1	05/02/12 00:00	5.00	5.00
GW0558	2E02004-MSD1	05/02/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E03011 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0514	1204161-01	05/03/12 00:00	5.00	5.00
GW0515	1204161-03	05/03/12 00:00	5.00	5.00
GW0573	1204161-05	05/03/12 00:00	5.00	5.00
GW0594	1204161-07	05/03/12 00:00	5.00	5.00
GW0595	1204161-09	05/03/12 00:00	5.00	5.00
GW8198-TB	1204161-11	05/03/12 00:00	5.00	5.00
GW0530	1204164-01	05/03/12 00:00	5.00	5.00
GW0531	1204164-03	05/03/12 00:00	5.00	5.00
GW0532	1204164-05	05/03/12 00:00	5.00	5.00
Blank	2E03011-BLK1	05/03/12 00:00	5.00	5.00
LCS	2E03011-BS1	05/03/12 00:00	5.00	5.00
LCS Dup	2E03011-BSD1	05/03/12 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E03012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0593	1204164-07	05/03/12 00:00	5.00	5.00
GW8051-AB	1204164-09	05/03/12 00:00	5.00	5.00
GW8199-TB	1204164-10	05/03/12 00:00	5.00	5.00
Blank	2E03012-BLK1	05/03/12 00:00	5.00	5.00
LCS	2E03012-BS1	05/03/12 00:00	5.00	5.00
LCS Dup	2E03012-BSD1	05/03/12 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0420TU1.D	Injection Date:	04/20/12
Instrument ID:	MS-VOA5	Injection Time:	12:21
Sequence:	2D11404	Lab Sample ID:	2D11404-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.8	PASS
75	30 - 60% of 95	40.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.59	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	88.2	PASS
175	5 - 9% of 174	7.28	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	6.13	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0426TUN1.D	Injection Date:	04/26/12
Instrument ID:	MS-VOA6	Injection Time:	10:23
Sequence:	2D11801	Lab Sample ID:	2D11801-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.2	PASS
75	30 - 60% of 95	51.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.85	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	74.1	PASS
175	5 - 9% of 174	7.41	PASS
176	95 - 101% of 174	97.1	PASS
177	5 - 9% of 176	6.58	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0427TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-VOA6	Injection Time:	08:36
Sequence:	2D12109	Lab Sample ID:	2D12109-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.1	PASS
75	30 - 60% of 95	46.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.51	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	77.6	PASS
175	5 - 9% of 174	7.25	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.42	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0502TUN1.D	Injection Date:	05/02/12
Instrument ID:	MS-VOA6	Injection Time:	07:18
Sequence:	2E12303	Lab Sample ID:	2E12303-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.5	PASS
75	30 - 60% of 95	47.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.68	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	82.8	PASS
175	5 - 9% of 174	7.13	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.42	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0503TUN1.D	Injection Date:	05/03/12
Instrument ID:	MS-VOA6	Injection Time:	06:57
Sequence:	2E12505	Lab Sample ID:	2E12505-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22	PASS
75	30 - 60% of 95	46.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.59	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	78	PASS
175	5 - 9% of 174	7.25	PASS
176	95 - 101% of 174	98	PASS
177	5 - 9% of 176	6.48	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0503TU1.D	Injection Date:	05/03/12
Instrument ID:	MS-VOA5	Injection Time:	07:23
Sequence:	2E12512	Lab Sample ID:	2E12512-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.6	PASS
75	30 - 60% of 95	41.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.8	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	82.9	PASS
175	5 - 9% of 174	7.96	PASS
176	95 - 101% of 174	95.8	PASS
177	5 - 9% of 176	6.38	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11404	Instrument:	MS-VOA5
Calibration:	2114002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D11404-TUN1	0420TU1.D	04/20/12 12:21
Cal Standard	2D11404-CAL1	0420CAL1.D	04/20/12 13:17
Cal Standard	2D11404-CAL2	0420CAL2.D	04/20/12 13:42
Cal Standard	2D11404-CAL3	0420CAL3.D	04/20/12 14:07
Cal Standard	2D11404-CAL4	0420CAL4.D	04/20/12 14:33
Cal Standard	2D11404-CAL5	0420CAL5.D	04/20/12 14:58
Cal Standard	2D11404-CAL6	0420CAL6.D	04/20/12 15:23
Cal Standard	2D11404-CAL7	0420CAL7.D	04/20/12 15:48
Cal Standard	2D11404-CAL8	0420CAL8.D	04/20/12 16:14
Cal Standard	2D11404-CAL9	0420CAL9.D	04/20/12 16:39
Initial Cal Check	2D11404-ICV1	0420ICV1.D	04/20/12 17:30
Initial Cal Check	2D11404-ICV2	0420ICV2.D	04/20/12 17:55

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11801	Instrument:	MS-VOA6
Calibration:	2103002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D11801-TUN1	0426TUN1.D	04/26/12 10:23
Calibration Check	2D11801-CCV1	0426CCV1.D	04/26/12 10:50
LCS	2D26013-BS1	0426LCS1.D	04/26/12 11:18
Blank	2D26013-BLK1	0426BL1.D	04/26/12 12:38
GW8195-TB	1204127-11	0412711.D	04/26/12 13:35
GW0541	1204127-01	0412701.D	04/26/12 14:55
GW0542	1204127-03	0412703.D	04/26/12 15:22
GW0620	1204127-05	0412705.D	04/26/12 15:48
GW0621	1204127-07	0412707.D	04/26/12 16:15
GW0622	1204127-09	0412709.D	04/26/12 16:42

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12109	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D12109-TUN1	0427TUN1.D	04/27/12 08:36
Cal Standard	2D12109-CAL1	0427CAL1.D	04/27/12 09:57
Cal Standard	2D12109-CAL2	0427CAL2.D	04/27/12 10:24
Cal Standard	2D12109-CAL3	0427CAL3.D	04/27/12 10:51
Cal Standard	2D12109-CAL4	0427CAL4.D	04/27/12 11:17
Cal Standard	2D12109-CAL5	0427CAL5.D	04/27/12 11:44
Cal Standard	2D12109-CAL6	0427CAL6.D	04/27/12 12:11
Cal Standard	2D12109-CAL7	0427CAL7.D	04/27/12 12:38
Cal Standard	2D12109-CAL8	0427CAL8.D	04/27/12 13:05
Cal Standard	2D12109-CAL9	0427CAL9.D	04/27/12 13:31
Initial Cal Check	2D12109-ICV2	0427ICV2.D	04/27/12 14:52

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12303	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12303-TUN1	0502TUN1.D	05/02/12 07:18
Calibration Check	2E12303-CCV1	0502CCV1.D	05/02/12 07:45
LCS	2E02004-BS1	0502LCS1.D	05/02/12 08:12
Blank	2E02004-BLK1	0502BL1.D	05/02/12 09:33
GW8196-TB	1204139-15	0413915.D	05/02/12 11:52
GW8197-TB	1204147-13	0414713.D	05/02/12 12:19
GW0540	1204139-01	0413901.D	05/02/12 12:46
GW0558	1204139-03	0413903.D	05/02/12 13:13
GW0559	1204139-05	0413905.D	05/02/12 13:40
GW0566	1204139-07	0413907.D	05/02/12 14:06
GW0567	1204139-09	0413909.D	05/02/12 14:33
GW0568	1204139-11	0413911.D	05/02/12 15:00
GW0619	1204139-13	0413913.D	05/02/12 15:27
GW0557	1204147-01	0414701.D	05/02/12 15:54
GW0569	1204147-03	0414703D.D	05/02/12 16:21
GW0571	1204147-05	0414705D.D	05/02/12 16:48
GW0572	1204147-07	0414707.D	05/02/12 17:14
GW0574	1204147-09	0414709.D	05/02/12 17:41
GW0575	1204147-11	0414711.D	05/02/12 18:08
GW0558	2E02004-MS1	0413903M.D	05/02/12 18:35
GW0558	2E02004-MSD1	0413903S.D	05/02/12 19:01

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12505	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12505-TUN1	0503TUN1.D	05/03/12 06:57
Calibration Check	2E12505-CCV1	0503CCV1.D	05/03/12 07:24
LCS	2E03011-BS1	0503LCS1.D	05/03/12 07:51
Blank	2E03011-BLK1	0503BL1.D	05/03/12 09:12
GW8198-TB	1204161-11	0416111.D	05/03/12 10:05
GW0515	1204161-03	0416103.D	05/03/12 13:13
GW0594	1204161-07	0416107.D	05/03/12 13:40
GW0595	1204161-09	0416109.D	05/03/12 14:07
GW0530	1204164-01	0416401.D	05/03/12 15:01
GW0531	1204164-03	0416403.D	05/03/12 15:27
GW0532	1204164-05	0416405.D	05/03/12 15:54
GW0514	1204161-01	0416101D.D	05/03/12 16:21
GW0573	1204161-05	0416105D.D	05/03/12 16:48
LCS Dup	2E03011-BSD1	0503LCD1.D	05/03/12 18:08

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
Calibration:	2114002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12512-TUN1	0503TU1.D	05/03/12 07:23
Calibration Check	2E12512-CCV1	0503CCV1.D	05/03/12 07:56
LCS	2E03012-BS1	0503LCS1.D	05/03/12 08:32
Blank	2E03012-BLK1	0503BL1.D	05/03/12 09:52
GW8199-TB	1204164-10	0416410.D	05/03/12 12:06
GW8051-AB	1204164-09	0416409.D	05/03/12 12:33
GW0593	1204164-07	0416407.D	05/03/12 13:00
LCS Dup	2E03012-BSD1	0503LCD1.D	05/03/12 17:54

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D11801	Instrument:	MS-VOA6
		Calibration:	2103002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D11801-CCV1)			Lab File ID: 0426CCV1.D			Analyzed: 04/26/12 10:50			
Fluorobenzene	1035291	7.97	1114742	7.96	93	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	426193	11.07	432028	11.06	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	358247	13.47	356585	13.46	100	50 - 200	0.0100	+/-0.50	
LCS (2D26013-BS1)			Lab File ID: 0426LCS1.D			Analyzed: 04/26/12 11:18			
Fluorobenzene	1044174	7.97	1035291	7.97	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	431177	11.07	426193	11.07	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	361410	13.47	358247	13.47	101	50 - 200	0.0000	+/-0.50	
Blank (2D26013-BLK1)			Lab File ID: 0426BL1.D			Analyzed: 04/26/12 12:38			
Fluorobenzene	1053309	7.96	1035291	7.97	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	438651	11.07	426193	11.07	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	370552	13.46	358247	13.47	103	50 - 200	-0.0100	+/-0.50	
GW8195-TB (1204127-11)			Lab File ID: 0412711.D			Analyzed: 04/26/12 13:35			
Fluorobenzene	1058663	7.96	1035291	7.97	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	438818	11.07	426193	11.07	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	371579	13.46	358247	13.47	104	50 - 200	-0.0100	+/-0.50	
GW0541 (1204127-01)			Lab File ID: 0412701.D			Analyzed: 04/26/12 14:55			
Fluorobenzene	1036451	7.96	1035291	7.97	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	429908	11.06	426193	11.07	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	361663	13.47	358247	13.47	101	50 - 200	0.0000	+/-0.50	
GW0542 (1204127-03)			Lab File ID: 0412703.D			Analyzed: 04/26/12 15:22			
Fluorobenzene	1024051	7.96	1035291	7.97	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	421766	11.07	426193	11.07	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	358114	13.46	358247	13.47	100	50 - 200	-0.0100	+/-0.50	
GW0620 (1204127-05)			Lab File ID: 0412705.D			Analyzed: 04/26/12 15:48			
Fluorobenzene	1028056	7.96	1035291	7.97	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	424917	11.06	426193	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	358171	13.47	358247	13.47	100	50 - 200	0.0000	+/-0.50	
GW0621 (1204127-07)			Lab File ID: 0412707.D			Analyzed: 04/26/12 16:15			
Fluorobenzene	1027407	7.96	1035291	7.97	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	425748	11.07	426193	11.07	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	358516	13.47	358247	13.47	100	50 - 200	0.0000	+/-0.50	
GW0622 (1204127-09)			Lab File ID: 0412709.D			Analyzed: 04/26/12 16:42			
Fluorobenzene	1021341	7.96	1035291	7.97	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	422556	11.07	426193	11.07	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	354211	13.46	358247	13.47	99	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12303	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12303-CCV1)			Lab File ID: 0502CCV1.D			Analyzed: 05/02/12 07:45			
Fluorobenzene	1265871	7.96	1322112	7.95	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	498661	11.07	523124	11.06	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	418673	13.46	431103	13.45	97	50 - 200	0.0100	+/-0.50	
LCS (2E02004-BS1)			Lab File ID: 0502LCS1.D			Analyzed: 05/02/12 08:12			
Fluorobenzene	1233790	7.95	1265871	7.96	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	500131	11.06	498661	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	418060	13.46	418673	13.46	100	50 - 200	0.0000	+/-0.50	
Blank (2E02004-BLK1)			Lab File ID: 0502BL1.D			Analyzed: 05/02/12 09:33			
Fluorobenzene	1257410	7.95	1265871	7.96	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	504345	11.06	498661	11.07	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	426569	13.46	418673	13.46	102	50 - 200	0.0000	+/-0.50	
GW8196-TB (1204139-15)			Lab File ID: 0413915.D			Analyzed: 05/02/12 11:52			
Fluorobenzene	1234643	7.95	1265871	7.96	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	500510	11.06	498661	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	421240	13.46	418673	13.46	101	50 - 200	0.0000	+/-0.50	
GW8197-TB (1204147-13)			Lab File ID: 0414713.D			Analyzed: 05/02/12 12:19			
Fluorobenzene	1216986	7.95	1265871	7.96	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	496680	11.06	498661	11.07	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	412830	13.46	418673	13.46	99	50 - 200	0.0000	+/-0.50	
GW0540 (1204139-01)			Lab File ID: 0413901.D			Analyzed: 05/02/12 12:46			
Fluorobenzene	1307893	7.95	1265871	7.96	103	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	491969	11.06	498661	11.07	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	412710	13.46	418673	13.46	99	50 - 200	0.0000	+/-0.50	
GW0558 (1204139-03)			Lab File ID: 0413903.D			Analyzed: 05/02/12 13:13			
Fluorobenzene	1194279	7.95	1265871	7.96	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	483620	11.06	498661	11.07	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	406866	13.45	418673	13.46	97	50 - 200	-0.0100	+/-0.50	
GW0559 (1204139-05)			Lab File ID: 0413905.D			Analyzed: 05/02/12 13:40			
Fluorobenzene	1186997	7.95	1265871	7.96	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	481010	11.06	498661	11.07	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	410581	13.46	418673	13.46	98	50 - 200	0.0000	+/-0.50	
GW0566 (1204139-07)			Lab File ID: 0413907.D			Analyzed: 05/02/12 14:06			
Fluorobenzene	1199883	7.95	1265871	7.96	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	485108	11.06	498661	11.07	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	409076	13.46	418673	13.46	98	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12303	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0567 (1204139-09)			Lab File ID: 0413909.D			Analyzed: 05/02/12 14:33			
Fluorobenzene	1200838	7.95	1265871	7.96	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	487910	11.06	498661	11.07	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	410677	13.46	418673	13.46	98	50 - 200	0.0000	+/-0.50	
GW0568 (1204139-11)			Lab File ID: 0413911.D			Analyzed: 05/02/12 15:00			
Fluorobenzene	1204509	7.95	1265871	7.96	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	482712	11.06	498661	11.07	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	403019	13.46	418673	13.46	96	50 - 200	0.0000	+/-0.50	
GW0619 (1204139-13)			Lab File ID: 0413913.D			Analyzed: 05/02/12 15:27			
Fluorobenzene	1186040	7.95	1265871	7.96	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	478733	11.06	498661	11.07	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	403417	13.46	418673	13.46	96	50 - 200	0.0000	+/-0.50	
GW0557 (1204147-01)			Lab File ID: 0414701.D			Analyzed: 05/02/12 15:54			
Fluorobenzene	1199723	7.95	1265871	7.96	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	484302	11.06	498661	11.07	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	406184	13.46	418673	13.46	97	50 - 200	0.0000	+/-0.50	
GW0569 (1204147-03)			Lab File ID: 0414703D.D			Analyzed: 05/02/12 16:21			
Fluorobenzene	1163447	7.95	1265871	7.96	92	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	456327	11.06	498661	11.07	92	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	370919	13.46	418673	13.46	89	50 - 200	0.0000	+/-0.50	
GW0571 (1204147-05)			Lab File ID: 0414705D.D			Analyzed: 05/02/12 16:48			
Fluorobenzene	1165503	7.96	1265871	7.96	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	461199	11.07	498661	11.07	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	374119	13.46	418673	13.46	89	50 - 200	0.0000	+/-0.50	
GW0572 (1204147-07)			Lab File ID: 0414707.D			Analyzed: 05/02/12 17:14			
Fluorobenzene	1192258	7.96	1265871	7.96	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	481533	11.07	498661	11.07	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	394483	13.46	418673	13.46	94	50 - 200	0.0000	+/-0.50	
GW0574 (1204147-09)			Lab File ID: 0414709.D			Analyzed: 05/02/12 17:41			
Fluorobenzene	1191938	7.96	1265871	7.96	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	480901	11.07	498661	11.07	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	397264	13.46	418673	13.46	95	50 - 200	0.0000	+/-0.50	
GW0575 (1204147-11)			Lab File ID: 0414711.D			Analyzed: 05/02/12 18:08			
Fluorobenzene	1188318	7.95	1265871	7.96	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	486595	11.06	498661	11.07	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	398351	13.46	418673	13.46	95	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12303	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2E02004-MS1)			Lab File ID: 0413903M.D			Analyzed: 05/02/12 18:35			
Fluorobenzene	1179096	7.95	1265871	7.96	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	479317	11.06	498661	11.07	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	394317	13.46	418673	13.46	94	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (2E02004-MSD1)			Lab File ID: 0413903S.D			Analyzed: 05/02/12 19:01			
Fluorobenzene	1178861	7.96	1265871	7.96	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	475860	11.07	498661	11.07	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	395262	13.46	418673	13.46	94	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12505	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12505-CCV1)			Lab File ID: 0503CCV1.D			Analyzed: 05/03/12 07:24			
Fluorobenzene	1222815	7.95	1322112	7.95	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	487011	11.06	523124	11.06	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	405781	13.46	431103	13.45	94	50 - 200	0.0100	+/-0.50	
LCS (2E03011-BS1)			Lab File ID: 0503LCS1.D			Analyzed: 05/03/12 07:51			
Fluorobenzene	1207415	7.95	1222815	7.95	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	494340	11.06	487011	11.06	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	406696	13.45	405781	13.46	100	50 - 200	-0.0100	+/-0.50	
Blank (2E03011-BLK1)			Lab File ID: 0503BL1.D			Analyzed: 05/03/12 09:12			
Fluorobenzene	1222136	7.95	1222815	7.95	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	494088	11.06	487011	11.06	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	408088	13.45	405781	13.46	101	50 - 200	-0.0100	+/-0.50	
GW8198-TB (1204161-11)			Lab File ID: 0416111.D			Analyzed: 05/03/12 10:05			
Fluorobenzene	1194237	7.95	1222815	7.95	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	492163	11.06	487011	11.06	101	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	404387	13.45	405781	13.46	100	50 - 200	-0.0100	+/-0.50	
GW0515 (1204161-03)			Lab File ID: 0416103.D			Analyzed: 05/03/12 13:13			
Fluorobenzene	1159126	7.94	1222815	7.95	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	473246	11.05	487011	11.06	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	396627	13.45	405781	13.46	98	50 - 200	-0.0100	+/-0.50	
GW0594 (1204161-07)			Lab File ID: 0416107.D			Analyzed: 05/03/12 13:40			
Fluorobenzene	1165084	7.94	1222815	7.95	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	470205	11.05	487011	11.06	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	389745	13.45	405781	13.46	96	50 - 200	-0.0100	+/-0.50	
GW0595 (1204161-09)			Lab File ID: 0416109.D			Analyzed: 05/03/12 14:07			
Fluorobenzene	1158393	7.94	1222815	7.95	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	473530	11.05	487011	11.06	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	389600	13.46	405781	13.46	96	50 - 200	0.0000	+/-0.50	
GW0530 (1204164-01)			Lab File ID: 0416401.D			Analyzed: 05/03/12 15:01			
Fluorobenzene	1144682	7.94	1222815	7.95	94	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	469406	11.06	487011	11.06	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	386645	13.45	405781	13.46	95	50 - 200	-0.0100	+/-0.50	
GW0531 (1204164-03)			Lab File ID: 0416403.D			Analyzed: 05/03/12 15:27			
Fluorobenzene	1144429	7.95	1222815	7.95	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	466995	11.06	487011	11.06	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	386317	13.45	405781	13.46	95	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12505	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0532 (1204164-05)			Lab File ID: 0416405.D			Analyzed: 05/03/12 15:54			
Fluorobenzene	1144055	7.95	1222815	7.95	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	466256	11.06	487011	11.06	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	387584	13.45	405781	13.46	96	50 - 200	-0.0100	+/-0.50	
GW0514 (1204161-01)			Lab File ID: 0416101D.D			Analyzed: 05/03/12 16:21			
Fluorobenzene	1137028	7.94	1222815	7.95	93	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	457946	11.05	487011	11.06	94	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	390917	13.46	405781	13.46	96	50 - 200	0.0000	+/-0.50	
GW0573 (1204161-05)			Lab File ID: 0416105D.D			Analyzed: 05/03/12 16:48			
Fluorobenzene	1110258	7.95	1222815	7.95	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	448891	11.06	487011	11.06	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	356291	13.45	405781	13.46	88	50 - 200	-0.0100	+/-0.50	
LCS Dup (2E03011-BSD1)			Lab File ID: 0503LCD1.D			Analyzed: 05/03/12 18:08			
Fluorobenzene	1106089	7.94	1222815	7.95	90	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	457131	11.05	487011	11.06	94	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	375060	13.46	405781	13.46	92	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12512	Instrument:	MS-VOA5
		Calibration:	2114002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12512-CCV1)			Lab File ID: 0503CCV1.D			Analyzed: 05/03/12 07:56			
Fluorobenzene	1041697	7.81	1273267	7.83	82	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	365970	10.95	442054	10.96	83	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	341591	13.35	425115	13.35	80	50 - 200	0.0000	+/-0.50	
LCS (2E03012-BS1)			Lab File ID: 0503LCS1.D			Analyzed: 05/03/12 08:32			
Fluorobenzene	1085411	7.81	1041697	7.81	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	375565	10.95	365970	10.95	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	325395	13.35	341591	13.35	95	50 - 200	0.0000	+/-0.50	
Blank (2E03012-BLK1)			Lab File ID: 0503BL1.D			Analyzed: 05/03/12 09:52			
Fluorobenzene	1092873	7.81	1041697	7.81	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	382098	10.94	365970	10.95	104	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	286526	13.34	341591	13.35	84	50 - 200	-0.0100	+/-0.50	
GW8199-TB (1204164-10)			Lab File ID: 0416410.D			Analyzed: 05/03/12 12:06			
Fluorobenzene	1068076	7.81	1041697	7.81	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	373339	10.94	365970	10.95	102	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	283376	13.34	341591	13.35	83	50 - 200	-0.0100	+/-0.50	
GW8051-AB (1204164-09)			Lab File ID: 0416409.D			Analyzed: 05/03/12 12:33			
Fluorobenzene	1051858	7.8	1041697	7.81	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	373413	10.95	365970	10.95	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	272774	13.34	341591	13.35	80	50 - 200	-0.0100	+/-0.50	
GW0593 (1204164-07)			Lab File ID: 0416407.D			Analyzed: 05/03/12 13:00			
Fluorobenzene	1047309	7.81	1041697	7.81	101	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	361640	10.95	365970	10.95	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	269884	13.35	341591	13.35	79	50 - 200	0.0000	+/-0.50	
LCS Dup (2E03012-BSD1)			Lab File ID: 0503LCD1.D			Analyzed: 05/03/12 17:54			
Fluorobenzene	994658	7.8	1041697	7.81	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	352534	10.95	365970	10.95	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	306186	13.34	341591	13.35	90	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051

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_051
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_051
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_051
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_051
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_051
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_051
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_051	
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 DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 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
Acetone	1	9.078872E-02	2	6.815387E-02	4	7.093765E-02	10	6.450179E-02	20	7.153131E-02	100	7.280782E-02
Acrolein	2.502	1.483028E-02	5.005	1.436489E-02	10.01	1.295651E-02	25.02	1.455592E-02	50.05	1.609719E-02	250.2	2.382903E-02
Acrylonitrile	2.498	0.0766692	4.997	7.473516E-02	9.994	7.528432E-02	24.98	7.800835E-02	49.97	8.066283E-02	249.8	7.982925E-02
Benzene	0.5	0.9030194	1	0.9044335	2	0.882759	5	0.8874085	10	0.8909117	50	0.8655544
Bromobenzene	0.5	0.7640372	1	0.7608959	2	0.7449507	5	0.7488515	10	0.761705	50	0.7498257
Bromochloromethane	0.5	0.1379052	1	0.1337741	2	0.1320612	5	0.1422687	10	0.1405843	50	0.1413624
Tert-Amyl Methyl Ether	0.5	0.5843175	1	0.5711257	2	0.5785333	5	0.5997894	10	0.6106079	50	0.6169711
Bromodichloromethane	0.5	0.2928476	1	0.2783105	2	0.2677302	5	0.290013	10	0.3022661	50	0.3045556
Bromoform	0.5	0.3127908	1	0.3119453	2	0.32746	5	0.3480796	10	0.3766074	50	0.4579943
Bromomethane	0.5	0.3336267	1	0.3245212	2	0.2959544	5	0.2595575	10	0.2446789	50	0.2104027
Bromofluorobenzene	30	0.9292281	35	0.9070761	40	0.9070574	50	0.8884263	60	0.8599335	70	0.8510114
n-Butylbenzene	0.5	1.050444	1	1.038122	2	1.040748	5	1.104252	10	1.15898	50	1.260855
2-Butanone	1	0.1104206	2	9.598957E-02	4	9.796703E-02	10	0.1013283	20	0.1048716	100	0.1021019
sec-Butylbenzene	0.5	1.812629	1	1.835559	2	1.813337	5	1.939423	10	2.030247	50	2.027582
tert-Butylbenzene	0.5	1.570679	1	1.435473	2	1.485862	5	1.549007	10	1.66062	50	1.627231
Carbon disulfide	0.5	0.7318204	1	0.6924405	2	0.6145416	5	0.7041335	10	0.7425598	50	0.7112257
Carbon tetrachloride	0.5	0.1865371	1	0.2081343	2	0.2078247	5	0.2132687	10	0.2316959	50	0.2424087
Chlorobenzene	0.5	1.657989	1	1.606611	2	1.717964	5	1.67955	10	1.675101	50	1.657185
Chloroethane	0.5	0.1557231	1	0.1495805	2	0.1568517	5	0.1494078	10	0.1549122	50	0.1476025
Chloroform	0.5	0.4508209	1	0.3960456	2	0.4115427	5	0.4144645	10	0.4093973	50	0.3936613
2-Chloroethyl vinyl ether	0.9975	0.1281686	1.995	0.1185545	3.99	0.1218673	9.975	0.1264546	19.95	0.1248316	99.75	0.127197
Chloromethane	0.5	0.3160384	1	0.252346	2	0.2530206	5	0.259746	10	0.2672162	50	0.2599557
1-Chlorohexane	0.5	0.8791069	1	0.8099702	2	0.7394192	5	0.7228302	10	0.7383115	50	0.7349981
2-Chlorotoluene	0.5	1.800517	1	1.749816	2	1.71508	5	1.710187	10	1.743385	50	1.667767
4-Chlorotoluene	0.5	1.96196	1	1.870302	2	1.876019	5	1.931576	10	1.959831	50	1.866819
Cyclohexane	0.5	0.2952355	1	0.3085985	2	0.2963952	5	0.2927226	10	0.325875	50	0.3052553
Dibromochloromethane	0.5	~~0.5003336~~	1	0.4979586	2	0.5533473	5	0.6086406	10	0.6351612	50	0.6956206
1,2-Dibromo-3-chloropropane	0.5	0.1179826	1	9.595719E-02	2	9.542201E-02	5	0.1022123	10	0.1131984	50	0.1287096
1,2-Dibromoethane (EDB)	0.5	0.5303616	1	0.5848311	2	0.5763895	5	0.617178	10	0.6475226	50	0.6654557
Dibromomethane	0.5	0.1788221	1	0.1700825	2	0.1631044	5	0.1623901	10	0.1671895	50	0.1673901
1,2-Dichlorobenzene	0.5	1.164295	1	1.096099	2	1.156509	5	1.132409	10	1.168172	50	1.140182

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2114002
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 4/20/12_13:17 4/20/12_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
1,3-Dichlorobenzene	0.5	1.162442	1	1.183712	2	1.183935	5	1.187312	10	1.240643	50	1.196491
1,4-Dichlorobenzene	0.5	1.410092	1	1.228453	2	1.186131	5	1.203853	10	1.231716	50	1.19182
Dichlorodifluoromethane	0.5	0.1430026	1	0.1581579	2	0.1491953	5	0.1502796	10	0.1877167	50	0.180117
1,1-Dichloroethane	0.5	0.4437029	1	0.4073193	2	0.4116356	5	0.4354059	10	0.4338498	50	0.4162707
1,2-Dichloroethane	0.5	0.2738816	1	0.2687336	2	0.2750153	5	0.2779213	10	0.2880214	50	0.272597
1,1-Dichloroethene	0.5	0.2000842	1	0.2098777	2	0.1999131	5	0.2120105	10	0.2299946	50	0.2283068
cis-1,2-Dichloroethene	0.5	0.2528032	1	0.2655491	2	0.2727532	5	0.2681244	10	0.2725625	50	0.257043
trans-1,2-Dichloroethene	0.5	0.2502774	1	0.2315883	2	0.2517677	5	0.2483234	10	0.2586908	50	0.2513621
1,2-Dichloroethene (total)	1	0.2515403	2	0.2485687	4	0.2622605	10	0.2582239	20	0.2656266	100	0.2542026
1,2-Dichloropropane	0.5	0.2480272	1	0.2420718	2	0.2392391	5	0.2395915	10	0.2507213	50	0.2484017
1,3-Dichloropropane	0.5	1.024505	1	0.971646	2	0.9081512	5	0.9768354	10	0.9789706	50	0.9448462
2,2-Dichloropropane	0.5	0.2494049	1	0.2466278	2	0.2629159	5	0.2656458	10	0.2708517	50	0.2582895
1,1-Dichloropropene	0.5	0.2822395	1	0.2887707	2	0.2869175	5	0.2853384	10	0.3086245	50	0.2952021
cis-1,3-Dichloropropene	0.5	0.2903678	1	0.3201279	2	0.3375077	5	0.3272919	10	0.3433797	50	0.3455001
trans-1,3-Dichloropropene	0.5	0.7687411	1	0.7960441	2	0.7796014	5	0.8341967	10	0.8740008	50	0.8779349
Diisopropyl Ether	0.5	0.8443764	1	0.8430904	2	0.8728869	5	0.8729889	10	0.8868343	50	0.8270029
Ethylbenzene	0.5	2.524716	1	2.470296	2	2.49073	5	2.572016	10	2.633069	50	2.547112
Ethyl tert-Butyl Ether	0.5	0.6411236	1	0.6538076	2	0.6758275	5	0.6782112	10	0.6871943	50	0.6487829
Ethyl Methacrylate	0.5	0.6694382	1	0.6579102	2	0.6842646	5	0.6613717	10	0.7002187	50	0.7547458
Hexachlorobutadiene	0.5	0.2362502	1	0.2130624	2	0.2225569	5	0.2359691	10	0.2447023	50	0.2654824
2-Hexanone	1	0.3262244	2	0.3598578	4	0.3583219	10	0.3247205	20	0.3644981	100	0.3706282
Iodomethane	0.5	2.897708E-02	1	4.202667E-02	2	6.970798E-02	5	0.1345782	10	0.2308215	50	0.3567396
Isopropylbenzene	0.5	1.941147	1	1.90337	2	2.002374	5	2.050772	10	2.11714	50	2.12099
p-Isopropyltoluene	0.5	1.416931	1	1.323547	2	1.385267	5	1.446244	10	1.551008	50	1.593042
Methylene chloride	0.5	0.331101	1	0.2913741	2	0.2761174	5	0.2785197	10	0.2796171	50	0.2640914
Methyl Acetate	0.5	0.1801998	1	0.17773	2	0.1686611	5	0.1640583	10	0.172196	50	0.1598934
Methylcyclohexane	0.5	0.2311278	1	0.2497891	2	0.2411416	5	0.2434603	10	0.2722559	50	0.2578555
Naphthalene	0.5	0.6419223	1	0.624441	2	0.6818085	5	0.675756	10	0.746757	50	0.9234288
Methyl Methacrylate	0.5	0.1465845	1	0.166619	2	0.1530003	5	0.1654154	10	0.1763304	50	0.1732416
4-Methyl-2-pentanone	1	0.1925988	2	0.1867374	4	0.1892289	10	0.1858196	20	0.1893574	100	0.1887827
Methyl t-Butyl Ether	0.5	0.5111171	1	0.5196384	2	0.5542997	5	0.54835	10	0.5614273	50	0.5485405

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12_13:17 4/20/12_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
n-Propylbenzene	0.5	2.612289	1	2.62012	2	2.525335	5	2.586867	10	2.69552	50	2.594102
Styrene	0.5	1.536034	1	1.480149	2	1.546831	5	1.637596	10	1.705384	50	1.718203
1,1,2,2-Tetrachloroethane	0.5	0.6356527	1	0.6512716	2	0.6852456	5	0.6893335	10	0.697417	50	0.6915685
1,1,1,2-Tetrachloroethane	0.5	0.4438337	1	0.501208	2	0.4666804	5	0.5318852	10	0.5632006	50	0.5909733
tert-Butyl alcohol	2.5	1.312464E-02	5	1.490459E-02	10	1.353094E-02	25	1.270904E-02	50	1.442578E-02	250	1.508296E-02
Tetrachloroethene	0.5	0.605168	1	0.6048582	2	0.6178722	5	0.6258919	10	0.6505823	50	0.6553217
Toluene	0.5	1.59148	1	1.450307	2	1.470702	5	1.470187	10	1.483731	50	1.43473
1,2,3-Trichlorobenzene	0.5	0.3616424	1	0.3398064	2	0.3545461	5	0.3619068	10	0.3918845	50	0.4552878
1,2,4-Trichlorobenzene	0.5	0.3902831	1	0.4042574	2	0.4027709	5	0.4139021	10	0.4483763	50	0.5258907
1,1,2-Trichloroethane	0.5	0.4473897	1	0.4848946	2	0.4760507	5	0.4979527	10	0.4992538	50	0.5020079
1,1,1-Trichloroethane	0.5	0.2747082	1	0.2752654	2	0.2834374	5	0.2819786	10	0.2975757	50	0.2940407
Tetrahydrofuran	0.5	~~1.437373E-02~~	1	1.989758E-02	2	0.0176097	5	2.131368E-02	10	2.192665E-02	50	2.235038E-02
Trichloroethene	0.5	0.2368222	1	0.2342615	2	0.2515241	5	0.2464008	10	0.250555	50	0.2420655
Trichlorofluoromethane	0.5	0.2909648	1	0.3007417	2	0.3172995	5	0.3014733	10	0.3305464	50	0.3223377
1,2,3-Trichloropropane	0.5	0.168051	1	0.1574979	2	0.15516	5	0.1717528	10	0.1819322	50	0.183183
1,3,5-Trimethylbenzene	0.5	1.475353	1	1.553154	2	1.577812	5	1.600579	10	1.665688	50	1.665735
1,2,4-Trimethylbenzene	0.5	1.289117	1	1.416843	2	1.439692	5	1.488882	10	1.593132	50	1.597256
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1963185	1	0.2071115	2	0.2079639	5	0.2185135	10	0.2329695	50	0.2258754
Vinyl chloride	0.5	~~0.2017833~~	1	0.1692457	2	0.1493229	5	0.1115398	10	0.1532395	50	0.1262061
m,p-Xylene	1	1.834008	2	1.823859	4	1.840895	10	1.919195	20	1.937719	100	1.824128
o-Xylene	0.5	1.908748	1	1.887123	2	1.972463	5	2.032163	10	2.015367	50	1.919102
Vinyl acetate	0.996	0.5030954	1.992	0.4975703	3.984	0.49624	9.96	0.5036541	19.92	0.522346	99.62	0.5047016
Xylenes (total)	1.5	1.858921	3	1.844947	6	1.884751	15	1.956851	30	1.963602	150	1.855786
Dibromofluoromethane	30	0.2948284	35	0.2935332	40	0.2876971	50	0.2861711	60	0.2821116	70	0.2708329
1,2-Dichloroethane-d4	30	6.354751E-02	35	6.624115E-02	40	6.453586E-02	50	6.421481E-02	60	6.234927E-02	70	6.063822E-02
Toluene-d8	30	2.471822	35	2.398324	40	2.382258	50	2.251976	60	2.226851	70	2.203253
tert-Amyl alcohol	2.5	~~6.824079E-03~~	5	1.026027E-02	10	8.888377E-03	25	9.13524E-03	50	9.888854E-03	250	1.103893E-02
tert-Amyl ethyl ether	0.5	0.5598867	1	0.5197314	2	0.5311449	5	0.5511727	10	0.5612016	50	0.5457789

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 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
Acetone	200	6.935162E-02	300	6.631356E-02	400	6.463481E-02						
Acrolein	500.5	3.325277E-02	750.8	3.685739E-02	1001	3.783255E-02						
Acrylonitrile	499.7	7.620195E-02	749.6	7.312995E-02	999.4	7.213389E-02						
Benzene	100	0.8430205	150	0.8061833	200	0.7817322						
Bromobenzene	100	0.7536747	150	0.7353933	200	0.7240771						
Bromochloromethane	100	0.1417136	150	0.1375936	200	0.139536						
Tert-Amyl Methyl Ether	100	0.5939547	150	0.5678901	200	0.5617785						
Bromodichloromethane	100	0.3012949	150	0.2914847	200	0.2871525						
Bromoform	100	0.5029754	150	0.5030573	200	0.5334771						
Bromomethane	100	0.2056414	150	0.2006184	200	0.1984876						
Bromofluorobenzene	30	0.9970276	30	0.9995692	30	1.011393						
n-Butylbenzene	100	1.221938	150	1.23811	200	1.190122						
2-Butanone	200	0.1004204	300	9.468613E-02	400	9.708977E-02						
sec-Butylbenzene	100	1.926539	150	1.875213	200	1.792697						
tert-Butylbenzene	100	1.593898	150	1.556286	200	1.494893						
Carbon disulfide	100	0.6948732	150	0.6781014	200	0.6660509						
Carbon tetrachloride	100	0.2478249	150	0.25365	200	0.2525043						
Chlorobenzene	100	1.66754	150	1.6057	200	1.601188						
Chloroethane	100	0.1450093	150	0.1432125	200	0.1389189						
Chloroform	100	0.3830409	150	0.3679822	200	0.3578807						
2-Chloroethyl vinyl ether	199.5	0.1228629	299.2	0.1152722	399	0.1131786						
Chloromethane	100	0.252933	150	0.2403682	200	0.2268304						
1-Chlorohexane	100	0.7282306	150	0.7276844	200	0.7195424						
2-Chlorotoluene	100	1.630578	150	1.529176	200	1.48543						
4-Chlorotoluene	100	1.794215	150	1.702932	200	1.646038						
Cyclohexane	100	0.289605	150	0.2860385	200	0.2762734						
Dibromochloromethane	100	0.7408785	150	0.7401693	200	~~0.7754629~~						
1,2-Dibromo-3-chloropropane	100	0.1341108	150	0.1356706	200	0.1414031						
1,2-Dibromoethane (EDB)	100	0.6805509	150	0.6722918	200	0.6912814						
Dibromomethane	100	0.1669323	150	0.1621769	200	0.1603522						
1,2-Dichlorobenzene	100	1.144973	150	1.096745	200	1.080067						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 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
1,3-Dichlorobenzene	100	1.17038	150	1.131207	200	1.108052						
1,4-Dichlorobenzene	100	1.175177	150	1.123175	200	1.115564						
Dichlorodifluoromethane	100	0.1726266	150	0.1703693	200	0.166357						
1,1-Dichloroethane	100	0.4059294	150	0.3923481	200	0.384602						
1,2-Dichloroethane	100	0.2628516	150	0.2533474	200	0.2486489						
1,1-Dichloroethene	100	0.2260534	150	0.2253377	200	0.226021						
cis-1,2-Dichloroethene	100	0.2523641	150	0.2460162	200	0.2434029						
trans-1,2-Dichloroethene	100	0.2454902	150	0.239667	200	0.233878						
1,2-Dichloroethene (total)	200	0.2489271	300	0.2428416	400	0.2386404						
1,2-Dichloropropane	100	0.2394527	150	0.230839	200	0.2236113						
1,3-Dichloropropane	100	0.9491691	150	0.90508	200	0.9108714						
2,2-Dichloropropane	100	0.2541495	150	0.2449638	200	0.2401082						
1,1-Dichloropropene	100	0.2853446	150	0.2803526	200	0.2699734						
cis-1,3-Dichloropropene	100	0.3408305	150	0.3268872	200	0.3186084						
trans-1,3-Dichloropropene	100	0.8868942	150	0.8328705	200	0.8278709						
Diisopropyl Ether	100	0.7880188	150	0.7400175	200	0.7187072						
Ethylbenzene	100	2.519574	150	2.406091	200	2.333247						
Ethyl tert-Butyl Ether	100	0.6274398	150	0.5955015	200	0.5744273						
Ethyl Methacrylate	100	0.7700057	150	0.7548949	200	0.7696203						
Hexachlorobutadiene	100	0.2548018	150	0.2852419	200	0.290442						
2-Hexanone	200	0.367788	300	0.350374	400	0.3588932						
Iodomethane	100	0.3902404	150	0.3927077	200	0.3938228						
Isopropylbenzene	100	2.119306	150	2.037256	200	1.973609						
p-Isopropyltoluene	100	1.557219	150	1.550497	200	1.489361						
Methylene chloride	100	0.25802	150	0.2515178	200	0.2519455						
Methyl Acetate	100	0.152262	150	0.1465079	200	0.1443866						
Methylcyclohexane	100	0.2405367	150	0.2438985	200	0.2352783						
Naphthalene	100	0.8937223	150	0.9620636	200	0.9791485						
Methyl Methacrylate	100	0.166738	150	0.1590744	200	0.1572889						
4-Methyl-2-pentanone	200	0.1772673	300	0.1684794	400	0.1652559						
Methyl t-Butyl Ether	100	0.5380449	150	0.5143596	200	0.5063385						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2114002	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	4/20/12 13:17 4/20/12 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
n-Propylbenzene	100	2.475109	150	2.325069	200	2.201615						
Styrene	100	1.739583	150	1.645036	200	1.624415						
1,1,2,2-Tetrachloroethane	100	0.6773305	150	0.6564517	200	0.6511168						
1,1,1,2-Tetrachloroethane	100	0.6272094	150	0.6180954	200	0.6395516						
tert-Butyl alcohol	500	1.516823E-02	750	1.517857E-02	1000	1.544279E-02						
Tetrachloroethene	100	0.6858457	150	0.6892338	200	0.6928693						
Toluene	100	1.442781	150	1.375992	200	1.34041						
1,2,3-Trichlorobenzene	100	0.4446391	150	0.4707447	200	0.4777151						
1,2,4-Trichlorobenzene	100	0.5236503	150	0.5482396	200	0.5501192						
1,1,2-Trichloroethane	100	0.5059896	150	0.4867361	200	0.4927958						
1,1,1-Trichloroethane	100	0.2909832	150	0.2862514	200	0.2857003						
Tetrahydrofuran	100	2.239311E-02	150	2.251409E-02	200	2.263665E-02						
Trichloroethene	100	0.2398385	150	0.2336305	200	0.230173						
Trichlorofluoromethane	100	0.3158061	150	0.3162275	200	0.3098975						
1,2,3-Trichloropropane	100	0.1926208	150	0.1863845	200	0.1926416						
1,3,5-Trimethylbenzene	100	1.612259	150	1.572584	200	1.512822						
1,2,4-Trimethylbenzene	100	1.579095	150	1.541621	200	1.467769						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2144919	150	0.2203893	200	0.2168587						
Vinyl chloride	100	0.1374846	150	~~0.1177407~~	200	~~0.1043747~~						
m,p-Xylene	200	1.767292	300	1.633177	400	1.537534						
o-Xylene	100	1.860191	150	1.781756	200	1.749923						
Vinyl acetate	199.2	0.4800265	298.9	0.4530041	398.5	0.4322532						
Xylenes (total)	300	1.798258	450	1.682703	600	1.60833						
Dibromofluoromethane	30	0.2937932	30	0.2984523	30	0.2987806						
1,2-Dichloroethane-d4	30	6.435713E-02	30	6.578319E-02	30	0.0669741						
Toluene-d8	30	2.574243	30	2.648164	30	2.732922						
tert-Amyl alcohol	500	1.140396E-02	750	1.126059E-02	1000	1.151104E-02						
tert-Amyl ethyl ether	100	0.5290747	150	0.4992205	200	0.4855659						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2114002	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	4/20/12 13:17	4/20/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	7.100235E-02	11.2526	3.632222	0.1212155			15	
Acrolein	2.273073E-02	46.09646	3.528889	9.258396E-02		0.9978684	0.99	
Acrylonitrile	7.629499E-02	3.748694	4.472222	9.815324E-02			15	
Benzene	0.8627803	5.072314	7.562222	5.729144E-02			15	
Bromobenzene	0.7492679	1.748865	12.31667	4.383658E-02			15	
Bromochloromethane	0.1385332	2.591357	6.652222	6.434339E-02			15	
Tert-Amyl Methyl Ether	0.5872187	3.29734	7.752222	5.622966E-02			15	
Bromodichloromethane	0.2906283	4.102662	8.552222	0.0481162			15	
Bromoform	0.4082652	22.18919	11.72222	4.474476E-02		0.9996935	SPCC (0.1)	
Bromomethane	0.2526099	21.38448	2.736667	0.1818598		0.9999555	0.99	
Bromofluorobenzene	0.9278581	6.582824	12.15222	4.235657E-02			15	
n-Butylbenzene	1.144841	7.759695	13.75111	2.346634E-02			15	
2-Butanone	0.1005417	4.884794	6.097778	7.205327E-02			15	
sec-Butylbenzene	1.894803	4.81831	13.21222	3.498105E-02			15	
tert-Butylbenzene	1.552661	4.599482	12.97222	3.061147E-02			15	
Carbon disulfide	0.6928608	5.47855	4.653333	0.1086134			15	
Carbon tetrachloride	0.2270943	10.56276	7.528889	8.138608E-02			15	
Chlorobenzene	1.652092	2.414895	10.99889	5.547866E-02			SPCC (0.3)	
Chloroethane	0.1490243	4.076922	2.862222	0.2335464			15	
Chloroform	0.3983151	6.949902	6.622222	6.593481E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.122043	4.380239	8.912222	5.123633E-02			15	
Chloromethane	0.2587172	9.488033	2.158889	0.1539148			SPCC (0.1)	
1-Chlorohexane	0.7555659	7.111573	10.96222	3.641678E-02			15	
2-Chlorotoluene	1.670215	6.275691	12.54222	3.705308E-02			15	
4-Chlorotoluene	1.845521	6.021191	12.60222	3.364714E-02			15	
Cyclohexane	0.2973332	4.847097	7.46	0.1159756			15	
Dibromochloromethane	0.6388252	14.57082	10.22143	3.337223E-02			15	
1,2-Dibromo-3-chloropropane	0.1182963	14.94766	14.34889	2.795749E-02			15	
1,2-Dibromoethane (EDB)	0.6295403	8.820635	10.44222	4.320136E-02			15	
Dibromomethane	0.1664933	3.364485	8.49	5.609142E-02			15	
1,2-Dichlorobenzene	1.13105	2.866323	13.70444	3.307534E-02			15	
1,3-Dichlorobenzene	1.173797	3.250203	13.29556	3.730395E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2114002	Instrument:	MS-VOA5	
Matrix:	Water	Calibration Dates:	4/20/12 13:17	4/20/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.207331	7.136631	13.38556	4.010224E-02			15	
Dichlorodifluoromethane	0.1642024	9.197952	1.952222	0.2262335			15	
1,1-Dichloroethane	0.4145626	4.813189	5.652222	7.743252E-02			SPCC (0.1)	
1,2-Dichloroethane	0.269002	4.574513	7.386667	6.813837E-02			15	
1,1-Dichloroethene	0.217511	5.585824	4.115556	0.129009			CCC (20)	
cis-1,2-Dichloroethene	0.2589576	4.311699	6.368889	0.1216066			15	
trans-1,2-Dichloroethene	0.2456717	3.643009	5.278889	6.447597E-02			15	
1,2-Dichloroethene (total)	0.2523146	3.481859	6.368889	0.1216066			15	
1,2-Dichloropropane	0.2402173	3.627332	8.372222	5.539459E-02			CCC (20)	
1,3-Dichloropropane	0.9522306	4.210757	9.971111	5.711554E-02			15	
2,2-Dichloropropane	0.254773	4.074885	6.477778	0.1016382			15	
1,1-Dichloropropene	0.2869737	3.696606	7.407778	8.925966E-02			15	
cis-1,3-Dichloropropene	0.3278335	5.245376	9.131111	6.628416E-02			15	
trans-1,3-Dichloropropene	0.8309061	5.200806	9.602222	4.297234E-02			15	
Diisopropyl Ether	0.821547	7.316821	6.031111	9.709548E-02			15	
Ethylbenzene	2.49965	3.569808	11.15	4.697602E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.6424795	5.932576	6.493333	7.824685E-02			15	
Ethyl Methacrylate	0.7136078	6.745527	9.793333	0.0512761			15	
Hexachlorobutadiene	0.2498343	10.65748	15.71111	2.666821E-02			15	
2-Hexanone	0.3534785	4.789782	9.91	5.290106E-02			15	
Iodomethane	0.2266247	70.72062	4.308889	0.1392498		0.9996404	0.99	
Isopropylbenzene	2.029552	3.980215	12.04667	3.623176E-02			15	
p-Isopropyltoluene	1.479235	6.205299	13.34667	3.127938E-02			15	
Methylene chloride	0.2758116	9.004775	4.602222	9.776998E-02			15	
Methyl Acetate	0.1628772	8.045595	4.456667	0.1106615			15	
Methylcyclohexane	0.2461493	5.067088	8.706667	5.386936E-02			15	
Naphthalene	0.7921164	18.39593	15.57222	3.285113E-02		0.999664	0.99	
Methyl Methacrylate	0.1626992	5.879981	8.512223	0.053224			15	
4-Methyl-2-pentanone	0.1826142	5.420771	9.052222	5.017429E-02			15	
Methyl t-Butyl Ether	0.5335684	3.907296	5.268889	0.0628204			15	
n-Propylbenzene	2.515114	6.294507	12.45889	0.0494964			15	
Styrene	1.625915	5.494104	11.62111	2.963903E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2114002		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	4/20/12 13:17	4/20/12 16:39

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.6705987	3.311109	11.96778	5.109795E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.5536264	12.97419	11.04111	2.999475E-02			15	
tert-Butyl alcohol	1.439639E-02	7.05239	4.241111	0.1419589			15	
Tetrachloroethene	0.6475159	5.540423	10.34111	0.0324422			15	
Toluene	1.451147	4.857551	9.603333	5.040756E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.4064637	13.58586	15.86556	3.765764E-02			15	
1,2,4-Trichlorobenzene	0.4674988	14.60544	15.42222	2.658845E-02			15	
1,1,2-Trichloroethane	0.488119	3.673117	9.76	5.332687E-02			15	
1,1,1-Trichloroethane	0.285549	2.733145	7.192222	6.275141E-02			15	
Tetrahydrofuran	2.133023E-02	8.221893	6.83	7.834788E-02			15	
Trichloroethene	0.2405857	3.174236	8.326667	8.663653E-02			15	
Trichlorofluoromethane	0.3116994	3.920958	3.351111	9.742587E-02			15	
1,2,3-Trichloropropane	0.1765804	8.015513	12.09333	4.110023E-02			15	
1,3,5-Trimethylbenzene	1.581776	4.021612	12.63444	4.307329E-02			15	
1,2,4-Trimethylbenzene	1.490379	6.771227	13.00333	0.0370912			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2156102	5.037266	4.195556	0.1729229			15	
Vinyl chloride	0.1411731	14.5715	2.3	2.027401E-02			CCC (20)	
m,p-Xylene	1.790867	7.231933	11.26222	3.892163E-02			15	
o-Xylene	1.902982	5.075955	11.65222	3.558812E-02			15	
Vinyl acetate	0.488099	5.83399	5.722222	7.990821E-02			15	
Xylenes (total)	1.828239	6.427733	11.65222	3.558812E-02			15	
Dibromofluoromethane	0.2895778	3.104837	6.795556	7.660927E-02			15	
1,2-Dichloroethane-d4	6.429347E-02	3.060003	7.301111	4.187357E-02			15	
Toluene-d8	2.432201	7.821685	9.53	4.975795E-02			15	
tert-Amyl alcohol	1.042341E-02	9.965027	6.99125	9.125005E-02			15	
tert-Amyl ethyl ether	0.5314197	4.967641	8.651111	0.0702344			15	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	~~0.1801176~~	2	0.1071343	4	9.755528E-02	10	8.601011E-02	20	8.151624E-02	100	8.590758E-02
Acrolein	2.502	~~0.0479271~~	5.005	4.244036E-02	10.01	4.136675E-02	25.02	3.939721E-02	50.05	0.0321366	250.2	3.434267E-02
Acrylonitrile	2.498	0.0912397	4.997	9.137988E-02	9.994	8.764754E-02	24.98	7.828111E-02	49.97	8.547037E-02	249.8	7.914204E-02
Benzene	0.5	0.9629495	1	0.9130717	2	0.916093	5	0.9172007	10	0.9526808	50	0.9448895
Bromobenzene	0.5	0.7095771	1	0.6910001	2	0.6980563	5	0.6819994	10	0.7146448	50	0.7114784
Bromochloromethane	0.5	0.1168124	1	0.1114805	2	0.1161442	5	0.11817	10	0.1248881	50	0.1241516
Tert-Amyl Methyl Ether	0.5	0.6591204	1	0.6427836	2	0.6485742	5	0.640684	10	0.6711781	50	0.6883959
Bromodichloromethane	0.5	0.2615357	1	0.2642326	2	0.2727676	5	0.269369	10	0.2959036	50	0.309363
Bromoform	0.5	0.2077016	1	0.2071471	2	0.2074382	5	0.2265467	10	0.2487134	50	0.3191807
Bromomethane	0.5	0.1557798	1	0.1508752	2	0.1465176	5	0.1292704	10	0.1574828	50	0.1505822
Bromofluorobenzene	30	0.8747748	35	0.8431836	40	0.8430485	50	0.8222031	60	0.8076482	70	0.800359
n-Butylbenzene	0.5	2.036998	1	1.955154	2	1.893978	5	1.907572	10	1.994854	50	2.058918
2-Butanone	1	0.1826121	2	0.1688407	4	0.1440387	10	0.1417527	20	0.1393668	100	0.1451565
sec-Butylbenzene	0.5	2.724093	1	2.626513	2	2.545937	5	2.586022	10	2.672613	50	2.779686
tert-Butylbenzene	0.5	1.9504	1	1.863799	2	1.871307	5	1.89602	10	1.975223	50	2.024437
Carbon disulfide	0.5	0.5205995	1	0.5309232	2	0.4872952	5	0.4978307	10	0.5944804	50	0.5476684
Carbon tetrachloride	0.5	0.1888145	1	0.1838791	2	0.1951106	5	0.1963767	10	0.2119815	50	0.2398043
Chlorobenzene	0.5	1.552623	1	1.445801	2	1.427301	5	1.445921	10	1.476692	50	1.449688
Chloroethane	0.5	0.1512853	1	0.1580256	2	0.1500205	5	0.1347753	10	0.1601011	50	0.1404982
Chloroform	0.5	0.4405522	1	0.4151525	2	0.4107461	5	0.40001	10	0.4222335	50	0.4127237
2-Chloroethyl vinyl ether	0.9975	0.1565532	1.995	0.149674	3.99	0.1581098	9.975	0.1611502	19.95	0.1675079	99.75	0.1699233
Chloromethane	0.5	0.3788425	1	0.2596072	2	0.2885362	5	0.2603289	10	0.2827593	50	0.2739572
1-Chlorohexane	0.5	0.9700645	1	0.7938692	2	0.7294273	5	0.6956974	10	0.6994101	50	0.7180541
2-Chlorotoluene	0.5	2.151769	1	2.081807	2	2.01671	5	2.028643	10	2.114715	50	2.108333
4-Chlorotoluene	0.5	2.501631	1	2.404381	2	2.29168	5	2.304939	10	2.419026	50	2.373863
Cyclohexane	0.5	0.4140795	1	0.3786403	2	0.377698	5	0.3938017	10	0.4063337	50	0.4162962
Dibromochloromethane	0.5	0.3676284	1	0.3711177	2	0.3854266	5	0.406309	10	0.4467098	50	0.518439
1,2-Dibromo-3-chloropropane	0.5	~~8.923491E-02~~	1	8.897867E-02	2	9.772513E-02	5	0.1032282	10	0.1102168	50	0.1329612
1,2-Dibromoethane (EDB)	0.5	0.5309435	1	0.5150024	2	0.5338531	5	0.5384039	10	0.5607714	50	0.5646662
Dibromomethane	0.5	0.1576675	1	0.1522382	2	0.1575075	5	0.157498	10	0.1661466	50	0.1658159
1,2-Dichlorobenzene	0.5	1.256783	1	1.219071	2	1.149309	5	1.153506	10	1.207395	50	1.208944

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.31396	1	1.244443	2	1.229276	5	1.221355	10	1.265212	50	1.247947
1,4-Dichlorobenzene	0.5	1.35143	1	1.27373	2	1.227318	5	1.248718	10	1.277693	50	1.255675
Dichlorodifluoromethane	0.5	0.1683195	1	0.1611093	2	0.1663599	5	0.1724241	10	0.2130691	50	0.2174111
1,1-Dichloroethane	0.5	0.4524627	1	0.4473073	2	0.4550976	5	0.4422696	10	0.472133	50	0.4719491
1,2-Dichloroethane	0.5	0.3542575	1	0.342508	2	0.3494061	5	0.3406776	10	0.3634142	50	0.3579977
1,1-Dichloroethene	0.5	0.18023	1	0.1829182	2	0.1878138	5	0.1836743	10	0.1785758	50	0.178688
cis-1,2-Dichloroethene	0.5	0.243333	1	0.2439208	2	0.2514144	5	0.2446177	10	0.2538203	50	0.2475189
trans-1,2-Dichloroethene	0.5	0.238344	1	0.2291282	2	0.2293002	5	0.2266238	10	0.2421863	50	0.2363768
1,2-Dichloroethene (total)	1	0.2408385	2	0.2365245	4	0.2403573	10	0.2356207	20	0.2480033	100	0.2419478
1,2-Dichloropropane	0.5	0.2559176	1	0.2553169	2	0.2579837	5	0.2545473	10	0.2721854	50	0.2647032
1,3-Dichloropropane	0.5	0.9192403	1	0.8614716	2	0.8881191	5	0.8952218	10	0.9160917	50	0.9031252
2,2-Dichloropropane	0.5	0.2989301	1	0.2795391	2	0.2842163	5	0.2882842	10	0.2981496	50	0.3006877
1,1-Dichloropropene	0.5	0.3266612	1	0.3095935	2	0.3151158	5	0.3150822	10	0.3289735	50	0.3266598
cis-1,3-Dichloropropene	0.5	0.3323243	1	0.3255927	2	0.3344992	5	0.3321005	10	0.3621164	50	0.3671761
trans-1,3-Dichloropropene	0.5	0.756377	1	0.7372835	2	0.7589611	5	0.793418	10	0.8336283	50	0.8665259
Diisopropyl Ether	0.5	1.034008	1	1.001045	2	0.994567	5	1.003313	10	1.050524	50	1.02579
Ethylbenzene	0.5	2.554537	1	2.403752	2	2.427694	5	2.47895	10	2.544432	50	2.548168
Ethyl tert-Butyl Ether	0.5	0.7646965	1	0.7663081	2	0.7635321	5	0.768298	10	0.7948713	50	0.785385
Ethyl Methacrylate	0.5	0.7206871	1	0.7056801	2	0.7205363	5	0.7248645	10	0.7575873	50	0.8002675
Hexachlorobutadiene	0.5	0.3296002	1	0.2917494	2	0.2774432	5	0.2739577	10	0.2817864	50	0.2922522
2-Hexanone	1	0.5079596	2	0.4683205	4	0.4739721	10	0.4778848	20	0.4662819	100	0.4970752
Iodomethane	0.5	~~0.13924~~	1	0.1819574	2	0.2066936	5	0.2359951	10	0.2660553	50	0.2769532
Isopropylbenzene	0.5	1.970849	1	2.025179	2	2.011303	5	2.033346	10	2.09977	50	2.126888
p-Isopropyltoluene	0.5	2.141915	1	2.020368	2	2.033851	5	2.052498	10	2.128308	50	2.209439
Methylene chloride	0.5	0.2501197	1	0.2485463	2	0.2087417	5	0.2001706	10	0.2287221	50	0.199494
Methyl Acetate	0.5	0.1741624	1	0.1859125	2	0.1795322	5	0.1606203	10	0.1988943	50	0.1711726
Methylcyclohexane	0.5	0.3150204	1	0.2941306	2	0.2971312	5	0.2965755	10	0.3095118	50	0.3219644
Naphthalene	0.5	1.302164	1	1.248637	2	1.265274	5	1.328147	10	1.372535	50	1.492241
Methyl Methacrylate	0.5	0.2725473	1	0.2654616	2	0.2575361	5	0.2483572	10	0.2621918	50	0.2696424
4-Methyl-2-pentanone	1	0.2825701	2	0.2756957	4	0.2693934	10	0.2640729	20	0.2713857	100	0.2843169
Methyl t-Butyl Ether	0.5	0.6081975	1	0.5833675	2	0.5873237	5	0.5923205	10	0.6148058	50	0.6098324

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2121003
Instrument: MS-VOA6
Matrix: Water
Calibration Dates: 4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	3.417295	1	3.267956	2	3.258523	5	3.233046	10	3.421802	50	3.461269
Styrene	0.5	1.536359	1	1.469448	2	1.497588	5	1.569024	10	1.628757	50	1.638668
1,1,2,2-Tetrachloroethane	0.5	0.8036693	1	0.8065395	2	0.79348	5	0.8067446	10	0.8366444	50	0.8542512
1,1,1,2-Tetrachloroethane	0.5	0.3596094	1	0.3606018	2	0.3660739	5	0.3833928	10	0.4118206	50	0.4541538
tert-Butyl alcohol	2.5	1.889493E-02	5	1.790302E-02	10	1.798231E-02	25	1.809741E-02	50	1.766726E-02	250	1.700114E-02
Tetrachloroethene	0.5	0.5635839	1	0.5069346	2	0.4861446	5	0.5090762	10	0.5212109	50	0.5180552
Toluene	0.5	1.362766	1	1.279828	2	1.326163	5	1.304249	10	1.354235	50	1.317459
1,2,3-Trichlorobenzene	0.5	0.6296404	1	0.599575	2	0.5919841	5	0.6095713	10	0.6370157	50	0.6649169
1,2,4-Trichlorobenzene	0.5	0.7606478	1	0.7021836	2	0.675145	5	0.7034746	10	0.7225698	50	0.7525264
1,1,2-Trichloroethane	0.5	0.435281	1	0.4545218	2	0.4347619	5	0.4350976	10	0.4488943	50	0.4434502
1,1,1-Trichloroethane	0.5	0.2733114	1	0.2661096	2	0.271391	5	0.2817628	10	0.2992965	50	0.3088854
Tetrahydrofuran	0.5	2.521422E-02	1	2.992029E-02	2	2.637809E-02	5	2.622168E-02	10	2.670446E-02	50	2.675506E-02
Trichloroethene	0.5	0.2406362	1	0.2316979	2	0.2307327	5	0.2279489	10	0.2397644	50	0.2392643
Trichlorofluoromethane	0.5	0.3011324	1	0.2663331	2	0.2980937	5	0.3116287	10	0.3175633	50	0.3356837
1,2,3-Trichloropropane	0.5	0.1603786	1	0.1652503	2	0.1762776	5	0.1711143	10	0.1721076	50	0.1752998
1,3,5-Trimethylbenzene	0.5	2.21644	1	2.114309	2	2.097947	5	2.126694	10	2.221626	50	2.240507
1,2,4-Trimethylbenzene	0.5	2.210195	1	2.115148	2	2.089978	5	2.1486	10	2.246429	50	2.259796
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1723646	1	0.1922586	2	0.186773	5	0.184414	10	0.1790899	50	0.1852501
Vinyl chloride	0.5	0.2045902	1	0.185622	2	0.1845795	5	0.1630709	10	0.2004388	50	0.1813677
m,p-Xylene	1	2.002417	2	1.894036	4	1.873731	10	1.89301	20	1.962783	100	1.937909
o-Xylene	0.5	1.980788	1	1.849802	2	1.942643	5	1.992388	10	2.013759	50	1.980534
Vinyl acetate	0.996	0.5876486	1.992	0.5757829	3.984	0.5986996	9.96	0.6331327	19.92	0.6536054	99.62	0.6948853
Xylenes (total)	1.5	1.995207	3	1.879291	6	1.896702	15	1.926136	30	1.979775	150	1.952118
Dibromofluoromethane	30	0.2695277	35	0.2630432	40	0.259221	50	0.2545377	60	0.2525862	70	0.2515808
1,2-Dichloroethane-d4	30	6.300259E-02	35	6.171312E-02	40	6.123085E-02	50	5.958058E-02	60	5.883793E-02	70	5.849536E-02
Toluene-d8	30	2.308584	35	2.221578	40	2.199072	50	2.156851	60	2.10421	70	2.074859
tert-Amyl alcohol	2.5	1.241385E-02	5	1.288427E-02	10	0.0132215	25	1.345847E-02	50	1.370272E-02	250	1.485528E-02
tert-Amyl ethyl ether	0.5	0.6285127	1	0.6134666	2	0.6092029	5	0.6183879	10	0.646779	50	0.6433191

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	7.471387E-02	300	0.0770132	400	7.404267E-02						
Acrolein	500.5	3.050923E-02	750.8	3.130578E-02	1001	3.056155E-02						
Acrylonitrile	499.7	8.365227E-02	749.6	8.621994E-02	999.4	0.084467						
Benzene	100	0.9377479	150	0.9336495	200	0.9053141						
Bromobenzene	100	0.7182263	150	0.7272978	200	0.7267507						
Bromochloromethane	100	0.1224581	150	0.1222339	200	0.1193159						
Tert-Amyl Methyl Ether	100	0.6749814	150	0.6759677	200	0.6696095						
Bromodichloromethane	100	0.3185574	150	0.318914	200	0.3161989						
Bromoform	100	0.3506586	150	0.3711772	200	0.3885488						
Bromomethane	100	0.1604913	150	0.155116	200	0.1514669						
Bromofluorobenzene	30	0.8958014	30	0.9107067	30	0.9258792						
n-Butylbenzene	100	2.05639	150	2.078431	200	1.986144						
2-Butanone	200	0.1417989	300	0.1447502	400	0.1452955						
sec-Butylbenzene	100	2.756524	150	2.77685	200	2.684998						
tert-Butylbenzene	100	2.028362	150	2.044402	200	2.006021						
Carbon disulfide	100	0.5934856	150	0.6030974	200	0.5664481						
Carbon tetrachloride	100	0.2494153	150	0.2610243	200	0.2548589						
Chlorobenzene	100	1.458923	150	1.474705	200	1.487455						
Chloroethane	100	0.1576256	150	0.1414764	200	0.1359614						
Chloroform	100	0.4118854	150	0.4084187	200	0.4033273						
2-Chloroethyl vinyl ether	199.5	0.1668353	299.2	0.1669099	399	0.1614332						
Chloromethane	100	0.2780356	150	0.2706652	200	0.2664843						
1-Chlorohexane	100	0.7097214	150	0.7231164	200	0.7256518						
2-Chlorotoluene	100	2.102836	150	2.118416	200	2.080614						
4-Chlorotoluene	100	2.392896	150	2.402408	200	2.364665						
Cyclohexane	100	0.4005054	150	0.406149	200	0.3857435						
Dibromochloromethane	100	0.5469699	150	0.5789153	200	0.5931025						
1,2-Dibromo-3-chloropropane	100	0.1384731	150	~~0.146163~~	200	~~0.1495986~~						
1,2-Dibromoethane (EDB)	100	0.566303	150	0.5748398	200	0.5788857						
Dibromomethane	100	0.1617228	150	0.1596578	200	0.1595766						
1,2-Dichlorobenzene	100	1.207977	150	1.222466	200	1.207476						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.254005	150	1.276444	200	1.260036						
1,4-Dichlorobenzene	100	1.258258	150	1.262381	200	1.257068						
Dichlorodifluoromethane	100	0.2148317	150	0.2148874	200	0.2039158						
1,1-Dichloroethane	100	0.4643047	150	0.4694452	200	0.4603373						
1,2-Dichloroethane	100	0.352667	150	0.3533085	200	0.3449133						
1,1-Dichloroethene	100	0.1797146	150	0.1790365	200	0.1842444						
cis-1,2-Dichloroethene	100	0.2459143	150	0.2455829	200	0.2395434						
trans-1,2-Dichloroethene	100	0.2358056	150	0.2361538	200	0.228198						
1,2-Dichloroethene (total)	200	0.2408599	300	0.2408683	400	0.2338707						
1,2-Dichloropropane	100	0.2602117	150	0.2597686	200	0.2530029						
1,3-Dichloropropane	100	0.8901245	150	0.900473	200	0.9141893						
2,2-Dichloropropane	100	0.298285	150	0.3023606	200	0.2918012						
1,1-Dichloropropene	100	0.3205383	150	0.3197314	200	0.3087253						
cis-1,3-Dichloropropene	100	0.3710314	150	0.3742965	200	0.3698838						
trans-1,3-Dichloropropene	100	0.8900545	150	0.8931115	200	0.8864539						
Diisopropyl Ether	100	1.010086	150	1.017062	200	0.9930346						
Ethylbenzene	100	2.520833	150	2.567098	200	2.554625						
Ethyl tert-Butyl Ether	100	0.7696659	150	0.7759792	200	0.7615729						
Ethyl Methacrylate	100	0.7924296	150	0.8186302	200	0.8176895						
Hexachlorobutadiene	100	0.2985679	150	0.3142088	200	0.3170123						
2-Hexanone	200	0.4787794	300	0.496152	400	0.4952994						
Iodomethane	100	0.305896	150	0.2941182	200	0.3029534						
Isopropylbenzene	100	2.122517	150	2.140749	200	2.117771						
p-Isopropyltoluene	100	2.181694	150	2.190265	200	2.152492						
Methylene chloride	100	0.2123295	150	0.214426	200	0.2085143						
Methyl Acetate	100	0.1765423	150	0.1855354	200	0.1808324						
Methylcyclohexane	100	0.3083533	150	0.3113591	200	0.300306						
Naphthalene	100	1.540451	150	1.597726	200	1.470014						
Methyl Methacrylate	100	0.2620414	150	0.2648154	200	0.2573468						
4-Methyl-2-pentanone	200	0.2747214	300	0.2768126	400	0.2696402						
Methyl t-Butyl Ether	100	0.6057527	150	0.6179849	200	0.6113409						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	3.401236	150	3.47307	200	3.363618						
Styrene	100	1.632015	150	1.632322	200	1.63771						
1,1,2,2-Tetrachloroethane	100	0.8383679	150	0.8603034	200	0.8493742						
1,1,1,2-Tetrachloroethane	100	0.4730294	150	0.4863279	200	0.4963508						
tert-Butyl alcohol	500	1.770425E-02	750	1.730916E-02	1000	0.0173273						
Tetrachloroethene	100	0.5191535	150	0.5319872	200	0.5328344						
Toluene	100	1.292795	150	1.278975	200	1.245466						
1,2,3-Trichlorobenzene	100	0.6721853	150	0.701615	200	0.6822393						
1,2,4-Trichlorobenzene	100	0.7687008	150	0.7914642	200	0.7669205						
1,1,2-Trichloroethane	100	0.4415981	150	0.444404	200	0.4457277						
1,1,1-Trichloroethane	100	0.3108855	150	0.3149333	200	0.3105973						
Tetrahydrofuran	100	2.659779E-02	150	2.681471E-02	200	2.683712E-02						
Trichloroethene	100	0.2333937	150	0.2353471	200	0.2279421						
Trichlorofluoromethane	100	0.3128938	150	0.3352327	200	0.3205547						
1,2,3-Trichloropropane	100	0.1761729	150	0.1767071	200	0.1812664						
1,3,5-Trimethylbenzene	100	2.256857	150	2.277194	200	2.230794						
1,2,4-Trimethylbenzene	100	2.285599	150	2.283346	200	2.234423						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.1942506	150	0.1822407	200	0.1862248						
Vinyl chloride	100	0.1896973	150	0.1819323	200	0.1721193						
m,p-Xylene	200	1.887316	300	1.871684	400	1.733385						
o-Xylene	100	1.967587	150	1.954629	200	1.949325						
Vinyl acetate	199.2	0.6856328	298.9	0.6976122	398.5	0.6933485						
Xylenes (total)	300	1.914074	450	1.899333	600	1.805365						
Dibromofluoromethane	30	0.2729593	30	0.2727375	30	0.2718363						
1,2-Dichloroethane-d4	30	6.267166E-02	30	0.063738	30	6.480673E-02						
Toluene-d8	30	2.351079	30	2.399675	30	2.438261						
tert-Amyl alcohol	500	1.467905E-02	750	0.0151569	1000	1.531081E-02						
tert-Amyl ethyl ether	100	0.6392434	150	0.6338444	200	0.6188017						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	8.548666E-02	13.62246	3.79875	9.274653E-02			15	
Acrolein	3.525752E-02	14.25592	3.67625	0.1406711			15	
Acrylonitrile	8.527776E-02	5.393199	4.643333	0.1072277			15	
Benzene	0.9315107	2.122697	7.685555	9.539806E-02			15	
Bromobenzene	0.7087812	2.200287	12.42	2.226331E-02			15	
Bromochloromethane	0.1195172	3.640977	6.781111	8.876222E-02			15	
Tert-Amyl Methyl Ether	0.6634772	2.496612	7.881111	4.329758E-02			15	
Bromodichloromethane	0.2918713	8.490543	8.666667	5.634014E-02			15	
Bromoform	0.2807903	27.07999	11.82333	0.0385467		0.9999206	SPCC (0.1)	
Bromomethane	0.1508425	6.0413	2.827778	0.1564675			15	
Bromofluorobenzene	0.8581783	5.320451	12.25222	3.512838E-02			15	
n-Butylbenzene	1.996493	3.36345	13.84778	3.214818E-02			15	
2-Butanone	0.1504013	9.901311	6.253333	8.003784E-02			15	
sec-Butylbenzene	2.683693	3.138093	13.30222	2.896654E-02			15	
tert-Butylbenzene	1.962219	3.583794	13.07222	3.164283E-02			15	
Carbon disulfide	0.549092	7.8436	4.795556	0.1085594			15	
Carbon tetrachloride	0.2201406	14.06956	7.652222	5.963417E-02			15	
Chlorobenzene	1.46879	2.490997	11.1	1.265792E-02			SPCC (0.3)	
Chloroethane	0.1477522	6.651077	2.965556	0.177739			15	
Chloroform	0.4138944	2.873397	6.754445	7.677392E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1620108	4.014319	9.023334	5.188695E-02			15	
Chloromethane	0.2843574	12.91666	2.231111	0.1482605			SPCC (0.1)	
1-Chlorohexane	0.751668	11.54226	11.06222	3.856191E-02			15	
2-Chlorotoluene	2.089316	2.074047	12.63333	4.148019E-02			15	
4-Chlorotoluene	2.383943	2.617429	12.69444	3.969977E-02			15	
Cyclohexane	0.3976941	3.654048	7.583333	6.438874E-02			15	
Dibromochloromethane	0.4682909	19.58175	10.33111	3.516709E-02		0.9999077	0.99	
1,2-Dibromo-3-chloropropane	0.1119305	17.66175	14.45	1.563473E-02		0.9998905	0.99	
1,2-Dibromoethane (EDB)	0.5515188	4.059789	10.55	1.218384E-02			15	
Dibromomethane	0.159759	2.732959	8.607778	5.269306E-02			15	
1,2-Dichlorobenzene	1.203659	2.780049	13.81	8.95784E-03			15	
1,3-Dichlorobenzene	1.256964	2.176385	13.39333	3.806423E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.26803	2.71936	13.48444	3.695711E-02			15	
Dichlorodifluoromethane	0.1924809	12.76598	2.02	0.0136054			15	
1,1-Dichloroethane	0.4594785	2.373803	5.8	1.821231E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3510167	2.112895	7.514445	7.102877E-02			15	
1,1-Dichloroethene	0.1816551	1.754323	4.266667	0.1186659			CCC (20)	
cis-1,2-Dichloroethene	0.2461851	1.74528	6.51	7.808219E-02			15	
trans-1,2-Dichloroethene	0.2335685	2.303894	5.422222	0.1220387			15	
1,2-Dichloroethene (total)	0.2398768	1.736859	6.51	7.808219E-02			15	
1,2-Dichloropropane	0.259293	2.312194	8.492222	4.863254E-02			CCC (20)	
1,3-Dichloropropane	0.8986729	1.994678	10.07333	4.862251E-02			15	
2,2-Dichloropropane	0.2935838	2.733695	6.614444	7.823592E-02			15	
1,1-Dichloropropene	0.319009	2.335894	7.533333	6.861941E-02			15	
cis-1,3-Dichloropropene	0.3521134	5.766677	9.241111	3.306317E-02			15	
trans-1,3-Dichloropropene	0.8239793	7.699482	9.71	1.779117E-02			15	
Diisopropyl Ether	1.014381	1.907698	6.173333	0.0812548			15	
Ethylbenzene	2.511121	2.398092	11.24778	3.875475E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.7722566	1.449832	6.641111	5.284476E-02			15	
Ethyl Methacrylate	0.7620413	5.994742	9.901111	0.0370684			15	
Hexachlorobutadiene	0.2973976	6.462892	15.81111	2.267311E-02			15	
2-Hexanone	0.4846361	3.044602	10.01222	6.526454E-02			15	
Iodomethane	0.2588278	17.84729	4.46125	7.694245E-02		0.9994425	0.99	
Isopropylbenzene	2.072041	2.992551	12.14222	3.773169E-02			15	
p-Isopropyltoluene	2.123426	3.336119	13.44222	3.452873E-02			15	
Methylene chloride	0.2190071	8.77048	4.755556	0.1109935			15	
Methyl Acetate	0.1792449	5.975949	4.631111	7.186884E-02			15	
Methylcyclohexane	0.3060391	3.107595	8.814445	5.861741E-02			15	
Naphthalene	1.40191	9.049186	15.68111	0.0229818			15	
Methyl Methacrylate	0.2622156	2.752967	8.627778	4.639833E-02			15	
4-Methyl-2-pentanone	0.2742899	2.362881	9.17	2.223127E-02			15	
Methyl t-Butyl Ether	0.6034362	2.078315	5.425555	0.0958311			15	
n-Propylbenzene	3.366424	2.705707	12.55111	4.793217E-02			15	
Styrene	1.582432	4.214249	11.72	2.468036E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2121003	Instrument:	MS-VOA6	
Matrix:	Water	Calibration Dates:	4/27/12 9:57	4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.8277083	3.040542	12.06444	0.0394937			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4212623	13.45017	11.14111	3.262536E-02			15	
tert-Butyl alcohol	0.0177652	3.114812	4.438889	0.1349856			15	
Tetrachloroethene	0.5209978	4.094883	10.44222	4.320136E-02			15	
Toluene	1.306882	2.880498	9.711111	3.882733E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.6431937	6.053357	15.96444	3.389544E-02			15	
1,2,4-Trichlorobenzene	0.7381814	5.252041	15.53	7.599921E-03			15	
1,1,2-Trichloroethane	0.4426374	1.531824	9.867778	4.848003E-02			15	
1,1,1-Trichloroethane	0.2930192	6.725129	7.317778	5.889306E-02			15	
Tetrahydrofuran	2.682705E-02	4.716978	6.973333	7.377964E-02			15	
Trichloroethene	0.2340808	2.116677	8.442222	4.746849E-02			15	
Trichlorofluoromethane	0.3110129	6.814927	3.471111	0.1732996			15	
1,2,3-Trichloropropane	0.1727305	3.725216	12.19333	3.802018E-02			15	
1,3,5-Trimethylbenzene	2.198041	3.035595	12.73222	3.176895E-02			15	
1,2,4-Trimethylbenzene	2.208168	3.306208	13.10222	3.678199E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1847629	3.554268	4.348889	7.522899E-02			15	
Vinyl chloride	0.1848242	6.933849	2.381111	0.1402005			CCC (20)	
m,p-Xylene	1.895141	3.964217	11.35333	4.439117E-02			15	
o-Xylene	1.959051	2.382637	11.75	0			15	
Vinyl acetate	0.6467053	7.665063	5.88	1.287752E-02			15	
Xylenes (total)	1.916445	2.97403	11.75	0			15	
Dibromofluoromethane	0.2631144	3.397573	6.932222	0.0649494			15	
1,2-Dichloroethane-d4	6.156409E-02	3.607168	7.423333	6.721134E-02			15	
Toluene-d8	2.250463	5.782973	9.635556	5.182899E-02			15	
tert-Amyl alcohol	1.396476E-02	7.58956	7.14	7.130057E-02			15	
tert-Amyl ethyl ether	0.6279509	2.173103	8.757778	7.543113E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
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_051
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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV1	Injection Time:	17:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	97.88	7.100235E-02	0.0694967		-2.1	20
Benzene	A	50.00	51.32	0.8627803	0.8856165		2.6	20
Bromobenzene	A	50.00	52.50	0.7492679	0.7866699		5.0	20
Bromochloromethane	A	50.00	52.09	0.1385332	0.1443248		4.2	20
Bromodichloromethane	A	50.00	50.24	0.2906283	0.292001		0.5	20
Bromoform	Q	50.00	51.36	0.4082652	0.4798725	0.1	2.7	20
Bromomethane	Q	50.00	53.91	0.2526099	0.2259154		7.8	20
n-Butylbenzene	A	50.00	56.45	1.144841	1.29257		12.9	20
2-Butanone	A	100.0	98.82	0.1005417	9.935999E-02		-1.2	20
sec-Butylbenzene	A	50.00	54.98	1.894803	2.083555		10.0	20
tert-Butylbenzene	A	50.00	54.41	1.552661	1.689609		8.8	20
Carbon disulfide	A	50.00	45.87	0.6928608	0.6356967		-8.3	20
Carbon tetrachloride	A	50.00	56.46	0.2270943	0.2564494		12.9	20
Chlorobenzene	A	50.00	52.56	1.652092	1.73677	0.3	5.1	20
Chloroethane	A	50.00	51.65	0.1490243	0.1539366		3.3	20
Chloroform	A	50.00	49.71	0.3983151	0.3959957		-0.6	20
Chloromethane	A	50.00	52.08	0.2587172	0.269503	0.1	4.2	20
2-Chlorotoluene	A	50.00	50.50	1.670215	1.686777		1.0	20
4-Chlorotoluene	A	50.00	50.47	1.845521	1.862902		0.9	20
Dibromochloromethane	A	50.00	57.71	0.6388252	0.7373486		15.4	20
1,2-Dibromo-3-chloropropane	A	50.00	57.67	0.1182963	0.1364421		15.3	20
1,2-Dibromoethane (EDB)	A	50.00	55.17	0.6295403	0.6945915		10.3	20
Dibromomethane	A	50.00	49.78	0.1664933	0.1657618		-0.4	20
1,2-Dichlorobenzene	A	50.00	52.03	1.13105	1.176952		4.1	20
1,3-Dichlorobenzene	A	50.00	52.24	1.173797	1.226458		4.5	20
1,4-Dichlorobenzene	A	50.00	50.73	1.207331	1.225029		1.5	20
Dichlorodifluoromethane	A	50.00	56.18	0.1642024	0.1845022		12.4	20
1,1-Dichloroethane	A	50.00	50.56	0.4145626	0.4192116	0.1	1.1	20
1,2-Dichloroethane	A	50.00	49.60	0.269002	0.2668733		-0.8	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV1	Injection Time:	17:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	50.00	51.56	0.217511	0.2242841		3.1	20
cis-1,2-Dichloroethene	A	50.00	50.86	0.2589576	0.2634287		1.7	20
trans-1,2-Dichloroethene	A	50.00	53.04	0.2456717	0.260602		6.1	20
1,2-Dichloropropane	A	50.00	51.02	0.2402173	0.2451069		2.0	20
1,3-Dichloropropane	A	50.00	51.63	0.9522306	0.9832103		3.3	20
2,2-Dichloropropane	A	50.00	50.41	0.254773	0.2568619		0.8	20
1,1-Dichloropropene	A	50.00	52.34	0.2869737	0.3004212		4.7	20
cis-1,3-Dichloropropene	A	50.00	54.73	0.3278335	0.358827		9.5	20
trans-1,3-Dichloropropene	A	50.00	50.23	0.8309061	0.8347734		0.5	20
Ethylbenzene	A	50.00	53.71	2.49965	2.685193		7.4	20
Hexachlorobutadiene	A	50.00	57.31	0.2498343	0.2863623		14.6	20
2-Hexanone	A	100.0	102.9	0.3534785	0.3638419		2.9	20
Isopropylbenzene	A	50.00	51.54	2.029552	2.092037		3.1	20
p-Isopropyltoluene	A	50.00	53.01	1.479235	1.568412		6.0	20
Methylene chloride	A	50.00	48.64	0.2758116	0.2683034		-2.7	20
Naphthalene	Q	50.00	52.63	0.7921164	0.9333191		5.3	20
4-Methyl-2-pentanone	A	100.0	98.96	0.1826142	0.1807097		-1.0	20
Methyl t-Butyl Ether	A	50.00	52.24	0.5335684	0.5574918		4.5	20
n-Propylbenzene	A	50.00	51.91	2.515114	2.611188		3.8	20
Styrene	A	50.00	55.38	1.625915	1.800893		10.8	20
1,1,2,2-Tetrachloroethane	A	50.00	52.00	0.6705987	0.697379	0.3	4.0	20
1,1,1,2-Tetrachloroethane	A	50.00	57.39	0.5536264	0.6354122		14.8	20
Tetrachloroethene	A	50.00	55.16	0.6475159	0.7143078		10.3	20
Toluene	A	50.00	52.63	1.451147	1.527451		5.3	20
1,2,3-Trichlorobenzene	A	50.00	57.63	0.4064637	0.4685067		15.3	20
1,2,4-Trichlorobenzene	A	50.00	58.09	0.4674988	0.5431192		16.2	20
1,1,2-Trichloroethane	A	50.00	52.96	0.488119	0.5170186		5.9	20
1,1,1-Trichloroethane	A	50.00	53.95	0.285549	0.3081122		7.9	20
Trichloroethene	A	50.00	52.33	0.2405857	0.2518137		4.7	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV1	Injection Time:	17:30

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	50.00	53.40	0.3116994	0.3328896		6.8	20
1,2,3-Trichloropropane	A	50.00	55.05	0.1765804	0.1944197		10.1	20
1,3,5-Trimethylbenzene	A	50.00	55.85	1.581776	1.766932		11.7	20
1,2,4-Trimethylbenzene	A	50.00	55.33	1.490379	1.64934		10.7	20
Xylenes (total)	A	150.0	158.7	1.828239	1.934032		5.8	20
Bromofluorobenzene	A	30.00	31.35	0.9278581	0.969503		4.5	20
Dibromofluoromethane	A	30.00	31.00	0.2895778	0.2992189		3.3	20
1,2-Dichloroethane-d4	A	30.00	30.23	6.429347E-02	6.477912E-02		0.8	20
Toluene-d8	A	30.00	31.39	2.432201	2.544734		4.6	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0420ICV2.D	Calibration Date:	04/20/12 13:17
Sequence:	2D11404	Injection Date:	04/20/12
Lab Sample ID:	2D11404-ICV2	Injection Time:	17:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Vinyl chloride	A	100.0	92.63	0.1411731	0.1307667		-7.4	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	169.4	8.548666E-02	7.240282E-02		-15.3	20
Benzene	A	100.0	99.10	0.9315107	0.9230922		-0.9	20
Bromobenzene	A	100.0	101.4	0.7087812	0.719042		1.4	20
Bromochloromethane	A	100.0	99.63	0.1195172	0.11908		-0.4	20
Bromodichloromethane	A	100.0	100.4	0.2918713	0.2931071		0.4	20
Bromoform	Q	100.0	98.14	0.2807903	0.3418473	0.1	-1.9	20
Bromomethane	A	100.0	110.9	0.1508425	0.1673223		10.9	20
n-Butylbenzene	A	100.0	99.93	1.996493	1.995098		-0.07	20
2-Butanone	A	200.0	179.3	0.1504013	0.1348674		-10.3	20
sec-Butylbenzene	A	100.0	100.9	2.683693	2.707207		0.9	20
tert-Butylbenzene	A	100.0	102.1	1.962219	2.003112		2.1	20
Carbon disulfide	A	100.0	85.87	0.549092	0.4714957		-14.1	20
Carbon tetrachloride	A	100.0	109.1	0.2201406	0.2402076		9.1	20
Chlorobenzene	A	100.0	97.51	1.46879	1.432212	0.3	-2.5	20
Chloroethane	A	100.0	107.4	0.1477522	0.1586388		7.4	20
Chloroform	A	100.0	94.73	0.4138944	0.3920877		-5.3	20
Chloromethane	A	100.0	89.50	0.2843574	0.254513	0.1	-10.5	20
2-Chlorotoluene	A	100.0	98.14	2.089316	2.050395		-1.9	20
4-Chlorotoluene	A	100.0	97.30	2.383943	2.319647		-2.7	20
Dibromochloromethane	Q	100.0	98.22	0.4682909	0.5398128		-1.8	20
1,2-Dibromo-3-chloropropane	Q	100.0	96.22	0.1119305	0.1328909		-3.8	20
1,2-Dibromoethane (EDB)	A	100.0	102.4	0.5515188	0.56473		2.4	20
Dibromomethane	A	100.0	97.65	0.159759	0.156001		-2.4	20
1,2-Dichlorobenzene	A	100.0	99.01	1.203659	1.191714		-1.0	20
1,3-Dichlorobenzene	A	100.0	97.90	1.256964	1.23052		-2.1	20
1,4-Dichlorobenzene	A	100.0	98.32	1.26803	1.246685		-1.7	20
Dichlorodifluoromethane	A	100.0	107.4	0.1924809	0.2066581		7.4	20
1,1-Dichloroethane	A	100.0	97.76	0.4594785	0.4491996	0.1	-2.2	20
1,2-Dichloroethane	A	100.0	96.37	0.3510167	0.338278		-3.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.12	0.1816551	0.1745999		-3.9	20
cis-1,2-Dichloroethene	A	100.0	98.62	0.2461851	0.2427885		-1.4	20
trans-1,2-Dichloroethene	A	100.0	99.18	0.2335685	0.2316633		-0.8	20
1,2-Dichloropropane	A	100.0	99.78	0.259293	0.2587233		-0.2	20
1,3-Dichloropropane	A	100.0	100.8	0.8986729	0.9061445		0.8	20
2,2-Dichloropropane	A	100.0	95.61	0.2935838	0.2806837		-4.4	20
1,1-Dichloropropene	A	100.0	97.55	0.319009	0.311192		-2.5	20
cis-1,3-Dichloropropene	A	100.0	107.0	0.3521134	0.3767175		7.0	20
trans-1,3-Dichloropropene	A	100.0	96.29	0.8239793	0.7933875		-3.7	20
Ethylbenzene	A	100.0	100.4	2.511121	2.520183		0.4	20
Hexachlorobutadiene	A	100.0	99.17	0.2973976	0.2949307		-0.8	20
2-Hexanone	A	200.0	194.0	0.4846361	0.4700208		-3.0	20
Isopropylbenzene	A	100.0	93.88	2.072041	1.94514		-6.1	20
p-Isopropyltoluene	A	100.0	95.71	2.123426	2.032234		-4.3	20
Methylene chloride	A	100.0	88.72	0.2190071	0.1943103		-11.3	20
Naphthalene	A	100.0	97.13	1.40191	1.361695		-2.9	20
4-Methyl-2-pentanone	A	200.0	193.1	0.2742899	0.2648278		-3.4	20
Methyl t-Butyl Ether	A	100.0	99.11	0.6034362	0.5980958		-0.9	20
n-Propylbenzene	A	100.0	99.53	3.366424	3.350497		-0.5	20
Styrene	A	100.0	101.6	1.582432	1.60805		1.6	20
1,1,2,2-Tetrachloroethane	A	100.0	99.98	0.8277083	0.8275818	0.3	-0.02	20
1,1,1,2-Tetrachloroethane	A	100.0	112.6	0.4212623	0.4744246		12.6	20
Tetrachloroethene	A	100.0	98.83	0.5209978	0.5148846		-1.2	20
Toluene	A	100.0	99.26	1.306882	1.297251		-0.7	20
1,2,3-Trichlorobenzene	A	100.0	100.5	0.6431937	0.6466824		0.5	20
1,2,4-Trichlorobenzene	A	100.0	99.90	0.7381814	0.7374543		-0.1	20
1,1,2-Trichloroethane	A	100.0	101.2	0.4426374	0.4479132		1.2	20
1,1,1-Trichloroethane	A	100.0	103.7	0.2930192	0.3038476		3.7	20
Trichloroethene	A	100.0	97.09	0.2340808	0.2272732		-2.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.47	0.3110129	0.3000265		-3.5	20
1,2,3-Trichloropropane	A	100.0	98.20	0.1727305	0.1696184		-1.8	20
1,3,5-Trimethylbenzene	A	100.0	104.0	2.198041	2.284755		3.9	20
1,2,4-Trimethylbenzene	A	100.0	102.2	2.208168	2.255949		2.2	20
Vinyl chloride	A	100.0	101.4	0.1848242	0.1873255		1.4	20
Xylenes (total)	A	300.0	295.8	1.916445	1.889213		-1.4	20
Bromofluorobenzene	A	30.00	31.58	0.8581783	0.9032791		5.3	20
Dibromofluoromethane	A	30.00	30.78	0.2631144	0.269967		2.6	20
1,2-Dichloroethane-d4	A	30.00	31.00	6.156409E-02	6.362317E-02		3.3	20
Toluene-d8	A	30.00	31.76	2.250463	2.382583		5.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0426CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D11801	Injection Date:	04/26/12
Lab Sample ID:	2D11801-CCV1	Injection Time:	10:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	208.2	6.994986E-02	7.282069E-02		4.1	20	
Benzene	A	100.0	105.3	0.8477555	0.8927		5.3	20	
Bromobenzene	A	100.0	110.2	0.6640451	0.7319576		10.2	20	
Bromochloromethane	A	100.0	119.0	0.1092003	0.1299487		19.0	20	
Bromodichloromethane	A	100.0	129.3	0.2745119	0.3549909		29.3	20	*
Bromoform	Q	100.0	115.0	0.2455425	0.412285	0.1	15.0	20	
Bromomethane	A	100.0	104.6	0.1231876	0.1288684		4.6	20	
n-Butylbenzene	A	100.0	112.8	1.709411	1.927564		12.8	20	
2-Butanone	A	200.0	195.4	0.1269904	0.1240621		-2.3	20	
sec-Butylbenzene	A	100.0	105.7	2.504057	2.647523		5.7	20	
tert-Butylbenzene	A	100.0	111.6	1.836337	2.048953		11.6	20	
Carbon disulfide	A	100.0	110.4	0.4769529	0.5268145		10.5	20	
Carbon tetrachloride	Q	100.0	125.8	0.1984718	0.3105159		25.8	20	*
Chlorobenzene	A	100.0	106.0	1.393185	1.477503	0.3	6.1	20	
Chloroethane	A	100.0	105.7	0.1188632	0.1256351		5.7	20	
Chloroform	A	100.0	120.2	0.3803609	0.4571886		20.2	20	*
Chloromethane	A	100.0	84.13	0.2442292	0.2054735	0.1	-15.9	20	
2-Chlorotoluene	A	100.0	107.7	1.959761	2.110034		7.7	20	
4-Chlorotoluene	A	100.0	108.8	2.232345	2.428182		8.8	20	
Dibromochloromethane	Q	100.0	112.0	0.4230065	0.6138064		12.0	20	
1,2-Dibromo-3-chloropropane	Q	100.0	109.6	0.1056791	0.152315		9.6	20	
1,2-Dibromoethane (EDB)	A	100.0	112.7	0.5144467	0.5797648		12.7	20	
Dibromomethane	A	100.0	117.5	0.147622	0.1734286		17.5	20	
1,2-Dichlorobenzene	A	100.0	108.0	1.138044	1.229232		8.0	20	
1,3-Dichlorobenzene	A	100.0	106.2	1.189245	1.262978		6.2	20	
1,4-Dichlorobenzene	A	100.0	105.2	1.211038	1.274434		5.2	20	
Dichlorodifluoromethane	Q	100.0	114.2	0.178282	0.2421461		14.2	20	
1,1-Dichloroethane	A	100.0	114.8	0.407376	0.4677728	0.1	14.8	20	
1,2-Dichloroethane	A	100.0	133.6	0.3181179	0.4248666		33.6	20	*

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0426CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D11801	Injection Date:	04/26/12
Lab Sample ID:	2D11801-CCV1	Injection Time:	10:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	121.4	0.1552267	0.1884482		21.4	20 *
cis-1,2-Dichloroethene	A	100.0	110.2	0.2264114	0.249411		10.2	20
trans-1,2-Dichloroethene	A	100.0	119.4	0.2138245	0.2552836		19.4	20
1,2-Dichloropropane	A	100.0	103.3	0.2319529	0.2395399		3.3	20
1,3-Dichloropropane	A	100.0	103.9	0.8423859	0.8752584		3.9	20
2,2-Dichloropropane	A	100.0	135.7	0.2792657	0.3789398		35.7	20 *
1,1-Dichloropropene	A	100.0	113.4	0.2962451	0.3359566		13.4	20
cis-1,3-Dichloropropene	A	100.0	116.3	0.3294273	0.3830937		16.3	20
trans-1,3-Dichloropropene	A	100.0	119.1	0.7961298	0.9478544		19.1	20
Ethylbenzene	A	100.0	107.5	2.392396	2.57097		7.5	20
Hexachlorobutadiene	A	100.0	104.8	0.3116392	0.3264446		4.8	20
2-Hexanone	A	200.0	200.1	0.4299377	0.4301055		0.04	20
Isopropylbenzene	A	100.0	111.4	1.969455	2.19488		11.4	20
p-Isopropyltoluene	A	100.0	112.6	1.951671	2.196895		12.6	20
Methylene chloride	A	100.0	101.5	0.1903896	0.1932121		1.5	20
Naphthalene	Q	100.0	92.96	1.155074	1.388328		-7.0	20
4-Methyl-2-pentanone	A	200.0	211.2	0.2373278	0.2506759		5.6	20
Methyl t-Butyl Ether	A	100.0	131.6	0.5410574	0.7122018		31.6	20 *
n-Propylbenzene	A	100.0	106.4	3.143472	3.345351		6.4	20
Styrene	A	100.0	107.8	1.507136	1.624765		7.8	20
1,1,2,2-Tetrachloroethane	A	100.0	98.90	0.7658651	0.7574442	0.3	-1.1	20
1,1,1,2-Tetrachloroethane	Q	100.0	109.3	0.3867674	0.5180963		9.3	20
Tetrachloroethene	A	100.0	112.4	0.5078673	0.5708146		12.4	20
Toluene	A	100.0	99.83	1.248777	1.246667		-0.2	20
1,2,3-Trichlorobenzene	Q	100.0	97.70	0.5945059	0.6858087		-2.3	20
1,2,4-Trichlorobenzene	Q	100.0	99.09	0.6656642	0.7840119		-0.9	20
1,1,2-Trichloroethane	A	100.0	103.2	0.4119773	0.4253833		3.3	20
1,1,1-Trichloroethane	A	100.0	136.9	0.2763164	0.3782111		36.9	20 *
Trichloroethene	A	100.0	116.8	0.21676	0.2531717		16.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2103002
Lab File ID:	0426CCV1.D	Calibration Date:	04/11/12 08:02
Sequence:	2D11801	Injection Date:	04/26/12
Lab Sample ID:	2D11801-CCV1	Injection Time:	10:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	138.8	0.2724406	0.3780001		38.7	20 *
1,2,3-Trichloropropane	A	100.0	120.8	0.1631372	0.1969833		20.7	20 *
1,3,5-Trimethylbenzene	A	100.0	111.2	2.05721	2.287887		11.2	20
1,2,4-Trimethylbenzene	A	100.0	112.7	2.038787	2.29737		12.7	20
Vinyl chloride	A	100.0	108.9	0.1664836	0.1812992		8.9	20
Xylenes (total)	A	300.0	325.7	1.828854	1.985307		8.6	20
Bromofluorobenzene	A	30.00	33.03	0.8617972	0.9487978		10.1	20
Dibromofluoromethane	A	30.00	34.43	0.2583878	0.2965002		14.8	20
1,2-Dichloroethane-d4	A	30.00	31.86	6.199539E-02	6.584236E-02		6.2	20
Toluene-d8	A	30.00	30.79	2.282463	2.342748		2.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0502CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12303	Injection Date:	05/02/12
Lab Sample ID:	2E12303-CCV1	Injection Time:	07:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	179.2	8.548666E-02	7.660887E-02		-10.4	20
Benzene	A	100.0	98.63	0.9315107	0.9187396		-1.4	20
Bromobenzene	A	100.0	100.8	0.7087812	0.7143979		0.8	20
Bromochloromethane	A	100.0	104.2	0.1195172	0.1244857		4.2	20
Bromodichloromethane	A	100.0	109.0	0.2918713	0.3182703		9.0	20
Bromoform	Q	100.0	107.2	0.2807903	0.3773552	0.1	7.2	20
Bromomethane	A	100.0	89.46	0.1508425	0.1349476		-10.5	20
n-Butylbenzene	A	100.0	104.2	1.996493	2.080545		4.2	20
2-Butanone	A	200.0	193.9	0.1504013	0.1457938		-3.1	20
sec-Butylbenzene	A	100.0	102.3	2.683693	2.745218		2.3	20
tert-Butylbenzene	A	100.0	104.1	1.962219	2.042848		4.1	20
Carbon disulfide	A	100.0	97.55	0.549092	0.5356124		-2.5	20
Carbon tetrachloride	A	100.0	119.5	0.2201406	0.2630659		19.5	20
Chlorobenzene	A	100.0	102.6	1.46879	1.506535	0.3	2.6	20
Chloroethane	A	100.0	101.5	0.1477522	0.1500177		1.5	20
Chloroform	A	100.0	99.01	0.4138944	0.4098074		-1.0	20
Chloromethane	A	100.0	83.58	0.2843574	0.2376737	0.1	-16.4	20
2-Chlorotoluene	A	100.0	98.87	2.089316	2.065682		-1.1	20
4-Chlorotoluene	A	100.0	99.64	2.383943	2.375273		-0.4	20
Dibromochloromethane	Q	100.0	105.1	0.4682909	0.5812057		5.1	20
1,2-Dibromo-3-chloropropane	Q	100.0	104.2	0.1119305	0.1448906		4.2	20
1,2-Dibromoethane (EDB)	A	100.0	106.0	0.5515188	0.5847161		6.0	20
Dibromomethane	A	100.0	102.3	0.159759	0.1634065		2.3	20
1,2-Dichlorobenzene	A	100.0	100.9	1.203659	1.215022		0.9	20
1,3-Dichlorobenzene	A	100.0	101.1	1.256964	1.271215		1.1	20
1,4-Dichlorobenzene	A	100.0	99.82	1.26803	1.265748		-0.2	20
Dichlorodifluoromethane	A	100.0	126.1	0.1924809	0.2426463		26.1	20 *
1,1-Dichloroethane	A	100.0	100.6	0.4594785	0.4621338	0.1	0.6	20
1,2-Dichloroethane	A	100.0	101.4	0.3510167	0.3560728		1.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0502CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12303	Injection Date:	05/02/12
Lab Sample ID:	2E12303-CCV1	Injection Time:	07:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.25	0.1816551	0.1748351		-3.8	20
cis-1,2-Dichloroethene	A	100.0	99.51	0.2461851	0.2449795		-0.5	20
trans-1,2-Dichloroethene	A	100.0	102.2	0.2335685	0.2387039		2.2	20
1,2-Dichloropropane	A	100.0	99.01	0.259293	0.256739		-1.0	20
1,3-Dichloropropane	A	100.0	101.2	0.8986729	0.9098291		1.2	20
2,2-Dichloropropane	A	100.0	114.0	0.2935838	0.3347009		14.0	20
1,1-Dichloropropene	A	100.0	102.4	0.319009	0.3267541		2.4	20
cis-1,3-Dichloropropene	A	100.0	106.9	0.3521134	0.3762997		6.9	20
trans-1,3-Dichloropropene	A	100.0	111.1	0.8239793	0.9153188		11.1	20
Ethylbenzene	A	100.0	103.6	2.511121	2.601144		3.6	20
Hexachlorobutadiene	A	100.0	110.9	0.2973976	0.329701		10.9	20
2-Hexanone	A	200.0	209.4	0.4846361	0.5074379		4.7	20
Isopropylbenzene	A	100.0	104.5	2.072041	2.165923		4.5	20
p-Isopropyltoluene	A	100.0	105.4	2.123426	2.238684		5.4	20
Methylene chloride	A	100.0	86.51	0.2190071	0.1894738		-13.5	20
Naphthalene	A	100.0	114.7	1.40191	1.608273		14.7	20
4-Methyl-2-pentanone	A	200.0	208.4	0.2742899	0.2858209		4.2	20
Methyl t-Butyl Ether	A	100.0	102.6	0.6034362	0.6191754		2.6	20
n-Propylbenzene	A	100.0	100.3	3.366424	3.37708		0.3	20
Styrene	A	100.0	106.5	1.582432	1.685893		6.5	20
1,1,2,2-Tetrachloroethane	A	100.0	101.3	0.8277083	0.8381052	0.3	1.3	20
1,1,1,2-Tetrachloroethane	A	100.0	117.1	0.4212623	0.4934631		17.1	20
Tetrachloroethene	A	100.0	106.9	0.5209978	0.5567478		6.9	20
Toluene	A	100.0	99.09	1.306882	1.294949		-0.9	20
1,2,3-Trichlorobenzene	A	100.0	110.3	0.6431937	0.7096715		10.3	20
1,2,4-Trichlorobenzene	A	100.0	109.2	0.7381814	0.80594		9.2	20
1,1,2-Trichloroethane	A	100.0	101.6	0.4426374	0.4498246		1.6	20
1,1,1-Trichloroethane	A	100.0	109.6	0.2930192	0.321105		9.6	20
Trichloroethene	A	100.0	102.3	0.2340808	0.2393962		2.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0502CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12303	Injection Date:	05/02/12
Lab Sample ID:	2E12303-CCV1	Injection Time:	07:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	110.6	0.3110129	0.3441201		10.6	20
1,2,3-Trichloropropane	A	100.0	107.8	0.1727305	0.1862137		7.8	20
1,3,5-Trimethylbenzene	A	100.0	103.1	2.198041	2.26634		3.1	20
1,2,4-Trimethylbenzene	A	100.0	104.1	2.208168	2.298724		4.1	20
Vinyl chloride	A	100.0	95.13	0.1848242	0.1758182		-4.9	20
Xylenes (total)	A	300.0	306.1	1.916445	1.955587		2.0	20
Bromofluorobenzene	A	30.00	31.97	0.8581783	0.9145933		6.6	20
Dibromofluoromethane	A	30.00	31.58	0.2631144	0.2769871		5.3	20
1,2-Dichloroethane-d4	A	30.00	31.18	6.156409E-02	6.398835E-02		3.9	20
Toluene-d8	A	30.00	32.22	2.250463	2.417249		7.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0503CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12505	Injection Date:	05/03/12
Lab Sample ID:	2E12505-CCV1	Injection Time:	07:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	196.5	8.548666E-02	8.400277E-02		-1.7	20
Benzene	A	100.0	96.98	0.9315107	0.9033815		-3.0	20
Bromobenzene	A	100.0	96.45	0.7087812	0.6836313		-3.5	20
Bromochloromethane	A	100.0	98.66	0.1195172	0.1179181		-1.3	20
Bromodichloromethane	A	100.0	104.1	0.2918713	0.3038358		4.1	20
Bromoform	Q	100.0	98.55	0.2807903	0.3434504	0.1	-1.4	20
Bromomethane	A	100.0	77.89	0.1508425	0.1174937		-22.1	20 *
n-Butylbenzene	A	100.0	98.22	1.996493	1.960953		-1.8	20
2-Butanone	A	200.0	210.7	0.1504013	0.1584615		5.4	20
sec-Butylbenzene	A	100.0	97.28	2.683693	2.610682		-2.7	20
tert-Butylbenzene	A	100.0	98.46	1.962219	1.932065		-1.5	20
Carbon disulfide	A	100.0	97.15	0.549092	0.5334304		-2.9	20
Carbon tetrachloride	A	100.0	113.9	0.2201406	0.2507199		13.9	20
Chlorobenzene	A	100.0	96.97	1.46879	1.4243	0.3	-3.0	20
Chloroethane	A	100.0	99.86	0.1477522	0.1475433		-0.1	20
Chloroform	A	100.0	95.58	0.4138944	0.3955977		-4.4	20
Chloromethane	A	100.0	75.67	0.2843574	0.2151796	0.1	-24.3	20 *
2-Chlorotoluene	A	100.0	95.65	2.089316	1.99834		-4.4	20
4-Chlorotoluene	A	100.0	95.25	2.383943	2.270606		-4.8	20
Dibromochloromethane	Q	100.0	96.90	0.4682909	0.5319262		-3.1	20
1,2-Dibromo-3-chloropropane	Q	100.0	97.99	0.1119305	0.1355379		-2.0	20
1,2-Dibromoethane (EDB)	A	100.0	99.90	0.5515188	0.5509526		-0.1	20
Dibromomethane	A	100.0	98.31	0.159759	0.1570604		-1.7	20
1,2-Dichlorobenzene	A	100.0	95.60	1.203659	1.150705		-4.4	20
1,3-Dichlorobenzene	A	100.0	95.79	1.256964	1.204108		-4.2	20
1,4-Dichlorobenzene	A	100.0	95.41	1.26803	1.209851		-4.6	20
Dichlorodifluoromethane	A	100.0	127.8	0.1924809	0.2459214		27.8	20 *
1,1-Dichloroethane	A	100.0	98.18	0.4594785	0.4510997	0.1	-1.8	20
1,2-Dichloroethane	A	100.0	97.49	0.3510167	0.3422058		-2.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0503CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12505	Injection Date:	05/03/12
Lab Sample ID:	2E12505-CCV1	Injection Time:	07:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.13	0.1816551	0.174621		-3.9	20
cis-1,2-Dichloroethene	A	100.0	96.17	0.2461851	0.2367569		-3.8	20
trans-1,2-Dichloroethene	A	100.0	99.16	0.2335685	0.2315992		-0.8	20
1,2-Dichloropropane	A	100.0	94.72	0.259293	0.2456098		-5.3	20
1,3-Dichloropropane	A	100.0	95.80	0.8986729	0.8609066		-4.2	20
2,2-Dichloropropane	A	100.0	109.4	0.2935838	0.3211651		9.4	20
1,1-Dichloropropene	A	100.0	99.63	0.319009	0.3178226		-0.4	20
cis-1,3-Dichloropropene	A	100.0	103.3	0.3521134	0.3637477		3.3	20
trans-1,3-Dichloropropene	A	100.0	104.4	0.8239793	0.8597892		4.3	20
Ethylbenzene	A	100.0	98.65	2.511121	2.477096		-1.4	20
Hexachlorobutadiene	A	100.0	96.98	0.2973976	0.2884186		-3.0	20
2-Hexanone	A	200.0	221.2	0.4846361	0.5358954		10.6	20
Isopropylbenzene	A	100.0	100.7	2.072041	2.085614		0.7	20
p-Isopropyltoluene	A	100.0	98.46	2.123426	2.090696		-1.5	20
Methylene chloride	A	100.0	85.80	0.2190071	0.1878976		-14.2	20
Naphthalene	A	100.0	102.4	1.40191	1.435312		2.4	20
4-Methyl-2-pentanone	A	200.0	222.4	0.2742899	0.3049463		11.2	20
Methyl t-Butyl Ether	A	100.0	98.54	0.6034362	0.594608		-1.5	20
n-Propylbenzene	A	100.0	96.94	3.366424	3.263559		-3.1	20
Styrene	A	100.0	100.4	1.582432	1.589572		0.5	20
1,1,2,2-Tetrachloroethane	A	100.0	96.39	0.8277083	0.7978496	0.3	-3.6	20
1,1,1,2-Tetrachloroethane	A	100.0	109.5	0.4212623	0.46119		9.5	20
Tetrachloroethene	A	100.0	101.1	0.5209978	0.526546		1.1	20
Toluene	A	100.0	95.07	1.306882	1.242395		-4.9	20
1,2,3-Trichlorobenzene	A	100.0	100.2	0.6431937	0.6443892		0.2	20
1,2,4-Trichlorobenzene	A	100.0	99.80	0.7381814	0.7367053		-0.2	20
1,1,2-Trichloroethane	A	100.0	95.96	0.4426374	0.4247707		-4.0	20
1,1,1-Trichloroethane	A	100.0	105.6	0.2930192	0.3095229		5.6	20
Trichloroethene	A	100.0	98.07	0.2340808	0.2295597		-1.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0503CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2E12505	Injection Date:	05/03/12
Lab Sample ID:	2E12505-CCV1	Injection Time:	07:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	101.7	0.3110129	0.3162297		1.7	20
1,2,3-Trichloropropane	A	100.0	101.9	0.1727305	0.1759808		1.9	20
1,3,5-Trimethylbenzene	A	100.0	97.59	2.198041	2.145056		-2.4	20
1,2,4-Trimethylbenzene	A	100.0	99.87	2.208168	2.205321		-0.1	20
Vinyl chloride	A	100.0	103.1	0.1848242	0.190586		3.1	20
Xylenes (total)	A	300.0	292.5	1.916445	1.868355		-2.5	20
Bromofluorobenzene	A	30.00	31.87	0.8581783	0.9116283		6.2	20
Dibromofluoromethane	A	30.00	31.69	0.2631144	0.2779374		5.6	20
1,2-Dichloroethane-d4	A	30.00	31.51	6.156409E-02	6.466555E-02		5.0	20
Toluene-d8	A	30.00	31.64	2.250463	2.373287		5.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0503CCV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2E12512	Injection Date:	05/03/12
Lab Sample ID:	2E12512-CCV1	Injection Time:	07:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	202.1	7.100235E-02	7.173324E-02		1.0	20
Benzene	A	100.0	95.69	0.8627803	0.8255982		-4.3	20
Bromobenzene	A	100.0	98.72	0.7492679	0.7396644		-1.3	20
Bromochloromethane	A	100.0	98.64	0.1385332	0.1366454		-1.4	20
Bromodichloromethane	A	100.0	102.6	0.2906283	0.2980898		2.6	20
Bromoform	Q	100.0	94.54	0.4082652	0.4608902	0.1	-5.5	20
Bromomethane	Q	100.0	92.96	0.2526099	0.1912241		-7.0	20
n-Butylbenzene	A	100.0	94.18	1.144841	1.078168		-5.8	20
2-Butanone	A	200.0	236.5	0.1005417	0.1188874		18.2	20
sec-Butylbenzene	A	100.0	91.82	1.894803	1.739774		-8.2	20
tert-Butylbenzene	A	100.0	91.97	1.552661	1.428035		-8.0	20
Carbon disulfide	A	100.0	99.65	0.6928608	0.6904297		-0.4	20
Carbon tetrachloride	A	100.0	110.1	0.2270943	0.2500625		10.1	20
Chlorobenzene	A	100.0	93.73	1.652092	1.548553	0.3	-6.3	20
Chloroethane	A	100.0	98.23	0.1490243	0.146381		-1.8	20
Chloroform	A	100.0	95.69	0.3983151	0.3811474		-4.3	20
Chloromethane	A	100.0	108.5	0.2587172	0.2807057	0.1	8.5	20
2-Chlorotoluene	A	100.0	94.87	1.670215	1.584551		-5.1	20
4-Chlorotoluene	A	100.0	92.24	1.845521	1.702377		-7.8	20
Dibromochloromethane	A	100.0	108.6	0.6388252	0.6935962		8.6	20
1,2-Dibromo-3-chloropropane	A	100.0	113.0	0.1182963	0.1337169		13.0	20
1,2-Dibromoethane (EDB)	A	100.0	101.8	0.6295403	0.6409714		1.8	20
Dibromomethane	A	100.0	98.74	0.1664933	0.1644026		-1.3	20
1,2-Dichlorobenzene	A	100.0	95.08	1.13105	1.075434		-4.9	20
1,3-Dichlorobenzene	A	100.0	95.95	1.173797	1.126203		-4.1	20
1,4-Dichlorobenzene	A	100.0	91.05	1.207331	1.099335		-8.9	20
Dichlorodifluoromethane	A	100.0	156.4	0.1642024	0.2568249		56.4	20 *
1,1-Dichloroethane	A	100.0	97.81	0.4145626	0.4054815	0.1	-2.2	20
1,2-Dichloroethane	A	100.0	99.29	0.269002	0.2671001		-0.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0503CCV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2E12512	Injection Date:	05/03/12
Lab Sample ID:	2E12512-CCV1	Injection Time:	07:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	103.9	0.217511	0.2259637		3.9	20
cis-1,2-Dichloroethene	A	100.0	94.20	0.2589576	0.2439493		-5.8	20
trans-1,2-Dichloroethene	A	100.0	97.98	0.2456717	0.2407164		-2.0	20
1,2-Dichloropropane	A	100.0	98.33	0.2402173	0.2362116		-1.7	20
1,3-Dichloropropane	A	100.0	94.22	0.9522306	0.8971703		-5.8	20
2,2-Dichloropropane	A	100.0	107.3	0.254773	0.2733853		7.3	20
1,1-Dichloropropene	A	100.0	100.5	0.2869737	0.2883706		0.5	20
cis-1,3-Dichloropropene	A	100.0	105.0	0.3278335	0.3442882		5.0	20
trans-1,3-Dichloropropene	A	100.0	102.6	0.8309061	0.8525551		2.6	20
Ethylbenzene	A	100.0	93.29	2.49965	2.33188		-6.7	20
Hexachlorobutadiene	A	100.0	77.69	0.2498343	0.1940856		-22.3	20 *
2-Hexanone	A	200.0	225.0	0.3534785	0.3975764		12.5	20
Isopropylbenzene	A	100.0	93.41	2.029552	1.895793		-6.6	20
p-Isopropyltoluene	A	100.0	94.14	1.479235	1.392491		-5.9	20
Methylene chloride	A	100.0	94.03	0.2758116	0.2593483		-6.0	20
Naphthalene	Q	100.0	87.23	0.7921164	0.7945959		-12.8	20
4-Methyl-2-pentanone	A	200.0	224.7	0.1826142	0.2051986		12.4	20
Methyl t-Butyl Ether	A	100.0	99.40	0.5335684	0.5303432		-0.6	20
n-Propylbenzene	A	100.0	92.53	2.515114	2.32736		-7.5	20
Styrene	A	100.0	94.14	1.625915	1.530632		-5.9	20
1,1,2,2-Tetrachloroethane	A	100.0	109.5	0.6705987	0.7340814	0.3	9.5	20
1,1,1,2-Tetrachloroethane	A	100.0	103.8	0.5536264	0.5747947		3.8	20
Tetrachloroethene	A	100.0	97.04	0.6475159	0.6283277		-3.0	20
Toluene	A	100.0	90.77	1.451147	1.317219		-9.2	20
1,2,3-Trichlorobenzene	A	100.0	88.52	0.4064637	0.3598057		-11.5	20
1,2,4-Trichlorobenzene	A	100.0	91.48	0.4674988	0.4276535		-8.5	20
1,1,2-Trichloroethane	A	100.0	98.65	0.488119	0.4815387		-1.3	20
1,1,1-Trichloroethane	A	100.0	102.6	0.285549	0.2928719		2.6	20
Trichloroethene	A	100.0	95.23	0.2405857	0.2291016		-4.8	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2114002
Lab File ID:	0503CCV1.D	Calibration Date:	04/20/12 13:17
Sequence:	2E12512	Injection Date:	05/03/12
Lab Sample ID:	2E12512-CCV1	Injection Time:	07:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	109.4	0.3116994	0.3410834		9.4	20
1,2,3-Trichloropropane	A	100.0	103.4	0.1765804	0.1826027		3.4	20
1,3,5-Trimethylbenzene	A	100.0	93.80	1.581776	1.483724		-6.2	20
1,2,4-Trimethylbenzene	A	100.0	94.36	1.490379	1.406305		-5.6	20
Vinyl chloride	A	100.0	96.93	0.1411731	0.1368424		-3.1	20
Xylenes (total)	A	300.0	270.6	1.828239	1.648562		-9.8	20
Bromofluorobenzene	A	30.00	30.31	0.9278581	0.9375277		1.0	20
Dibromofluoromethane	A	30.00	31.74	0.2895778	0.3064048		5.8	20
1,2-Dichloroethane-d4	A	30.00	30.28	6.429347E-02	6.489027E-02		0.9	20
Toluene-d8	A	30.00	30.48	2.432201	2.471099		1.6	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_051

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

Matrix: Laboratory ID: 2D26013-BLK1 File ID: 0426BL1.D

Sampled: Prepared: Analyzed: 04/26/12 12:38

Solids: Preparation: 5030B Dilution:

Batch: 2D26013 Sequence: 2D11801 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	X, 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	X, 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	X, 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	X, U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	X, U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	X, U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.270	0.250	0.500	2.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26013-BLK1 File ID: 0426BL1.D

Sampled: Prepared: Analyzed: 04/26/12 12:38

Solids: Preparation: 5030B Dilution:

Batch: 2D26013 Sequence: 2D11801 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	2.00	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	X, 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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	X, Q, U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	X, U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	X, 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	31.38	105	75 - 120	
Dibromofluoromethane	30.00	33.65	112	85 - 115	
1,2-Dichloroethane-d4	30.00	31.47	105	70 - 120	
Toluene-d8	30.00	29.73	99.1	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26013-BS1 File ID: 0426LCS1.D

Sampled: Prepared: Analyzed: 04/26/12 11:18

Solids: Preparation: 5030B Dilution:

Batch: 2D26013 Sequence: 2D11801 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	51.1	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.5	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.5	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	58.2	0.250	0.500	1.00	X
75-25-2	Bromoform	59.1	0.250	0.500	1.00	
74-83-9	Bromomethane	50.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	54.5	0.250	0.500	1.00	
78-93-3	2-Butanone	97.5	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	51.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	47.2	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	63.2	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	49.5	0.250	0.500	1.00	
75-00-3	Chloroethane	56.9	0.500	1.00	2.00	
67-66-3	Chloroform	56.7	0.250	0.500	1.00	X
74-87-3	Chloromethane	38.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.9	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	56.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	56.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	54.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	55.7	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.6	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.6	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	54.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	63.7	0.250	0.500	1.00	X
75-35-4	1,1-Dichloroethene	53.1	0.250	0.500	1.00	X
156-59-2	cis-1,2-Dichloroethene	53.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.4	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	51.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	65.1	0.250	0.500	1.00	X
563-58-6	1,1-Dichloropropene	54.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	57.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	51.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.6	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2D26013-BS1 | File ID: 0426LCS1.D

Sampled: | Prepared: | Analyzed: 04/26/12 11:18

Solids: | Preparation: 5030B | Dilution:

Batch: 2D26013 | Sequence: 2D11801 | Calibration: 2103002 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	102	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	50.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	51.4	0.250	0.500	1.00	
75-09-2	Methylene chloride	48.5	0.500	1.00	2.00	
91-20-3	Naphthalene	47.0	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	107	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	61.2	0.250	0.500	1.00	X
103-65-1	n-Propylbenzene	50.5	0.250	0.500	1.00	
100-42-5	Styrene	51.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	54.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	54.0	0.250	0.500	1.00	
108-88-3	Toluene	49.3	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.4	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	49.6	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	51.2	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	66.0	0.250	0.500	1.00	X
79-01-6	Trichloroethene	56.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	67.1	0.500	1.00	2.00	X
96-18-4	1,2,3-Trichloropropane	59.1	0.500	1.00	2.00	X
108-67-8	1,3,5-Trimethylbenzene	54.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.6	0.250	0.500	1.00	
75-01-4	Vinyl chloride	61.4	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	158	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	34.25	114	85 - 115	
1,2-Dichloroethane-d4	30.00	31.26	104	70 - 120	
Toluene-d8	30.00	30.08	100	85 - 120	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-BLK1 File ID: 0502BL1.D

Sampled: Prepared: Analyzed: 05/02/12 09:33

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-BLK1 File ID: 0502BL1.D

Sampled: Prepared: Analyzed: 05/02/12 09:33

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	30.89	103	75 - 120	
Dibromofluoromethane	30.00	31.33	104	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	30.75	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-BS1 File ID: 0502LCS1.D

Sampled: Prepared: Analyzed: 05/02/12 08:12

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	85.6	2.50	5.00	10.0	
71-43-2	Benzene	48.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.2	0.250	0.500	1.00	
75-25-2	Bromoform	50.2	0.250	0.500	1.00	
74-83-9	Bromomethane	40.1	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	50.8	0.250	0.500	1.00	
78-93-3	2-Butanone	93.6	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	49.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	56.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	47.3	0.250	0.500	1.00	
75-00-3	Chloroethane	46.5	0.500	1.00	2.00	
67-66-3	Chloroform	47.3	0.250	0.500	1.00	
74-87-3	Chloromethane	37.8	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	46.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.8	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.6	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	47.7	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	60.5	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	48.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	44.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	54.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.5	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.6	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	49.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	53.8	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-BS1 File ID: 0502LCS1.D

Sampled: Prepared: Analyzed: 05/02/12 08:12

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	102	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	47.6	0.250	0.500	1.00	
75-09-2	Methylene chloride	42.2	0.500	1.00	2.00	
91-20-3	Naphthalene	53.0	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	103	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.7	0.250	0.500	1.00	
100-42-5	Styrene	49.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	47.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	53.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.9	0.250	0.500	1.00	
108-88-3	Toluene	48.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	52.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	50.9	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	48.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	49.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	54.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.6	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	146	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.44	105	75 - 120	
Dibromofluoromethane	30.00	31.83	106	85 - 115	
1,2-Dichloroethane-d4	30.00	31.01	103	70 - 120	
Toluene-d8	30.00	31.10	104	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-MS1 File ID: 0413903M.D

Sampled: Prepared: Analyzed: 05/02/12 18:35

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	74.6	2.50	5.00	10.0	
71-43-2	Benzene	51.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	54.4	0.250	0.500	1.00	
75-25-2	Bromoform	49.7	0.250	0.500	1.00	
74-83-9	Bromomethane	39.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	53.8	0.250	0.500	1.00	
78-93-3	2-Butanone	80.8	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.9	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	46.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	58.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	51.0	0.250	0.500	1.00	
75-00-3	Chloroethane	47.6	0.500	1.00	2.00	
67-66-3	Chloroform	51.4	0.250	0.500	1.00	
74-87-3	Chloromethane	33.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	51.5	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	50.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.2	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	51.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	36.0	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	51.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.4	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	52.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	52.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	52.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	51.2	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-MS1 File ID: 0413903M.D

Sampled: Prepared: Analyzed: 05/02/12 18:35

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	87.8	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	53.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	52.7	0.250	0.500	1.00	
75-09-2	Methylene chloride	44.0	0.500	1.00	2.00	
91-20-3	Naphthalene	56.0	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	92.3	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	52.8	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	50.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	55.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.0	0.250	0.500	1.00	
108-88-3	Toluene	51.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	53.0	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	53.1	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	56.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.2	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.1	0.250	0.500	1.00	
75-01-4	Vinyl chloride	43.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	158	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	31.13	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.92	99.7	70 - 120	
Toluene-d8	30.00	30.68	102	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-MSD1 File ID: 0413903S.D

Sampled: Prepared: Analyzed: 05/02/12 19:01

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	74.4	2.50	5.00	10.0	
71-43-2	Benzene	49.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.2	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	53.2	0.250	0.500	1.00	
75-25-2	Bromoform	50.3	0.250	0.500	1.00	
74-83-9	Bromomethane	37.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.0	0.250	0.500	1.00	
78-93-3	2-Butanone	78.4	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	50.6	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	51.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	47.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	56.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	49.4	0.250	0.500	1.00	
75-00-3	Chloroethane	42.8	0.500	1.00	2.00	
67-66-3	Chloroform	50.3	0.250	0.500	1.00	
74-87-3	Chloromethane	31.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.4	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	49.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.9	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	51.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	51.4	0.250	0.500	1.00	
74-95-3	Dibromomethane	51.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	50.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	49.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	34.8	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.4	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	46.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	49.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	50.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	49.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.2	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	52.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	52.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	50.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	51.4	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E02004-MSD1 File ID: 0413903S.D

Sampled: Prepared: Analyzed: 05/02/12 19:01

Solids: Preparation: 5030B Dilution:

Batch: 2E02004 Sequence: 2E12303 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	88.5	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	51.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	50.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	46.5	0.500	1.00	2.00	
91-20-3	Naphthalene	55.8	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	91.6	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	50.1	0.250	0.500	1.00	
100-42-5	Styrene	51.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	54.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.3	0.250	0.500	1.00	
108-88-3	Toluene	49.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	53.3	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	52.4	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.5	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	49.5	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.0	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	51.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	51.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	42.5	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	153	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.39	105	75 - 120	
Dibromofluoromethane	30.00	31.33	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.04	103	70 - 120	
Toluene-d8	30.00	30.64	102	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E03011-BLK1 File ID: 0503BL1.D

Sampled: Prepared: Analyzed: 05/03/12 09:12

Solids: Preparation: 5030B Dilution:

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	X, U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.310	0.250	0.500	2.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E03011-BLK1 File ID: 0503BL1.D

Sampled: Prepared: Analyzed: 05/03/12 09:12

Solids: Preparation: 5030B Dilution:

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 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	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	30.92	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.66	102	70 - 120	
Toluene-d8	30.00	30.56	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E03011-BS1 File ID: 0503LCS1.D

Sampled: Prepared: Analyzed: 05/03/12 07:51

Solids: Preparation: 5030B Dilution:

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	88.7	2.50	5.00	10.0	
71-43-2	Benzene	48.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	47.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.0	0.250	0.500	1.00	
75-25-2	Bromoform	46.1	0.250	0.500	1.00	
74-83-9	Bromomethane	36.4	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	49.2	0.250	0.500	1.00	
78-93-3	2-Butanone	96.0	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.2	0.250	0.500	1.00	
75-15-0	Carbon disulfide	41.5	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	45.9	0.250	0.500	1.00	
75-00-3	Chloroethane	50.7	0.500	1.00	2.00	
67-66-3	Chloroform	46.8	0.250	0.500	1.00	
74-87-3	Chloromethane	33.1	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	46.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	46.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	45.8	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.6	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	47.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	46.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	46.3	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.0	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	47.6	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	47.5	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	47.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	47.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	46.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.5	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E03011-BS1
File ID: 0503LCS1.D
Sampled:
Prepared:
Analyzed: 05/03/12 07:51
Solids:
Preparation: 5030B
Dilution:
Batch: 2E03011
Sequence: 2E12505
Calibration: 2121003
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	104	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	45.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.5	0.250	0.500	1.00	
75-09-2	Methylene chloride	42.3	0.500	1.00	2.00	
91-20-3	Naphthalene	50.2	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	108	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	48.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.1	0.250	0.500	1.00	
100-42-5	Styrene	48.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	45.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.9	0.250	0.500	1.00	
108-88-3	Toluene	47.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	49.3	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	49.1	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	46.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	52.0	0.250	0.500	1.00	
79-01-6	Trichloroethene	48.9	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	47.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.6	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	142	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.28	104	75 - 120	
Dibromofluoromethane	30.00	31.49	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.46	105	70 - 120	
Toluene-d8	30.00	31.06	104	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E03011-BSD1 File ID: 0503LCD1.D

Sampled: Prepared: Analyzed: 05/03/12 18:08

Solids: Preparation: 5030B Dilution:

Batch: 2E03011 Sequence: 2E12505 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	87.5	2.50	5.00	10.0	
71-43-2	Benzene	49.4	0.250	0.500	1.00	
108-86-1	Bromobenzene	48.1	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	49.2	0.250	0.500	1.00	
75-25-2	Bromoform	46.5	0.250	0.500	1.00	
74-83-9	Bromomethane	30.3	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	47.9	0.250	0.500	1.00	
78-93-3	2-Butanone	90.8	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	40.5	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.8	0.250	0.500	1.00	
75-00-3	Chloroethane	48.3	0.500	1.00	2.00	
67-66-3	Chloroform	49.2	0.250	0.500	1.00	
74-87-3	Chloromethane	36.8	0.250	0.500	1.00	Y
95-49-8	2-Chlorotoluene	47.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	45.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	47.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	47.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	61.1	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	50.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	42.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	49.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	48.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	45.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	48.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	40.8	0.250	0.500	2.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E03011-BSD1
File ID: 0503LCD1.D
Sampled:
Prepared:
Analyzed: 05/03/12 18:08
Solids:
Preparation: 5030B
Dilution:
Batch: 2E03011
Sequence: 2E12505
Calibration: 2121003
Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	96.6	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	46.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	46.1	0.250	0.500	1.00	
75-09-2	Methylene chloride	44.5	0.500	1.00	2.00	
91-20-3	Naphthalene	51.1	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	99.2	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.1	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	47.4	0.250	0.500	1.00	
100-42-5	Styrene	49.1	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	48.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	47.5	0.250	0.500	1.00	
108-88-3	Toluene	48.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	46.8	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	47.1	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	48.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	53.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.4	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	49.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.7	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	147	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.42	105	75 - 120	
Dibromofluoromethane	30.00	31.61	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.59	102	70 - 120	
Toluene-d8	30.00	30.71	102	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E03012-BLK1 File ID: 0503BL1.D

Sampled: Prepared: Analyzed: 05/03/12 09:52

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2E03012-BLK1
File ID: 0503BL1.D
Sampled:
Prepared:
Analyzed: 05/03/12 09:52
Solids:
Preparation: 5030B
Dilution:
Batch: 2E03012
Sequence: 2E12512
Calibration: 2114002
Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	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	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	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	28.18	93.9	75 - 120	
Dibromofluoromethane	30.00	31.57	105	85 - 115	
1,2-Dichloroethane-d4	30.00	30.51	102	70 - 120	
Toluene-d8	30.00	30.13	100	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2E03012-BS1 | File ID: 0503LCS1.D

Sampled: | Prepared: | Analyzed: 05/03/12 08:32

Solids: | Preparation: 5030B | Dilution:

Batch: 2E03012 | Sequence: 2E12512 | Calibration: 2114002 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.1	2.50	5.00	10.0	
71-43-2	Benzene	47.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.0	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	47.7	0.250	0.500	1.00	
75-25-2	Bromoform	47.3	0.250	0.500	1.00	
74-83-9	Bromomethane	46.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.1	0.250	0.500	1.00	
78-93-3	2-Butanone	113	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	47.7	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	47.7	0.250	0.500	1.00	
75-15-0	Carbon disulfide	42.9	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	45.7	0.250	0.500	1.00	
75-00-3	Chloroethane	51.8	0.500	1.00	2.00	
67-66-3	Chloroform	47.2	0.250	0.500	1.00	
74-87-3	Chloromethane	50.6	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	51.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	58.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	50.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	47.8	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.6	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	48.3	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	75.6	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	48.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.6	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	47.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	46.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	48.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	48.8	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	47.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	49.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	48.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.6	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.2	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2E03012-BS1 | File ID: 0503LCS1.D

Sampled: | Prepared: | Analyzed: 05/03/12 08:32

Solids: | Preparation: 5030B | Dilution:

Batch: 2E03012 | Sequence: 2E12512 | Calibration: 2114002 | Instrument: MS-VOA5

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	43.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	45.2	0.500	1.00	2.00	
91-20-3	Naphthalene	49.3	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	114	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.3	0.250	0.500	1.00	
100-42-5	Styrene	46.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	58.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	51.0	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.3	0.250	0.500	1.00	
108-88-3	Toluene	47.4	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	48.4	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	49.5	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.6	0.250	0.500	1.00	
79-01-6	Trichloroethene	47.2	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.4	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.2	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	49.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.1	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	136	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.60	98.7	75 - 120	
Dibromofluoromethane	30.00	31.70	106	85 - 115	
1,2-Dichloroethane-d4	30.00	30.28	101	70 - 120	
Toluene-d8	30.00	31.14	104	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E03012-BSD1 File ID: 0503LCD1.D

Sampled: Prepared: Analyzed: 05/03/12 17:54

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	90.1	2.50	5.00	10.0	
71-43-2	Benzene	49.6	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.7	0.250	0.500	1.00	
74-97-5	Bromochloromethane	48.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	48.5	0.250	0.500	1.00	
75-25-2	Bromoform	44.3	0.250	0.500	1.00	
74-83-9	Bromomethane	45.4	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	47.4	0.250	0.500	1.00	
78-93-3	2-Butanone	106	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	48.1	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	48.1	0.250	0.500	1.00	
75-15-0	Carbon disulfide	44.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	46.2	0.250	0.500	1.00	
75-00-3	Chloroethane	53.1	0.500	1.00	2.00	
67-66-3	Chloroform	48.4	0.250	0.500	1.00	
74-87-3	Chloromethane	51.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	49.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	47.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.4	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	53.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	48.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	49.2	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	47.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	76.2	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	49.5	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	49.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	48.0	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	50.0	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	49.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	48.0	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	51.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.4	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	46.0	0.250	0.500	1.00	
100-41-4	Ethylbenzene	47.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	41.8	0.250	0.500	2.00	Y

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E03012-BSD1 File ID: 0503LCD1.D

Sampled: Prepared: Analyzed: 05/03/12 17:54

Solids: Preparation: 5030B Dilution:

Batch: 2E03012 Sequence: 2E12512 Calibration: 2114002 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	106	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	43.7	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	45.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	47.3	0.500	1.00	2.00	
91-20-3	Naphthalene	42.6	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	110	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.0	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	48.2	0.250	0.500	1.00	
100-42-5	Styrene	45.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	57.3	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.2	0.250	0.500	1.00	
108-88-3	Toluene	47.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	40.9	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	44.7	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	49.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	51.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	49.0	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	49.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	48.8	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	48.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	55.0	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	136	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.37	97.9	75 - 120	
Dibromofluoromethane	30.00	31.76	106	85 - 115	
1,2-Dichloroethane-d4	30.00	29.89	99.6	70 - 120	
Toluene-d8	30.00	30.10	100	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0541	04/23/12 12:36	04/24/12 08:20	04/26/12 00:00	N/A	14.00	04/26/12 14:55	3.05	14.00	
GW0542	04/23/12 10:24	04/24/12 08:20	04/26/12 00:00	N/A	14.00	04/26/12 15:22	3.17	14.00	
GW0620	04/23/12 09:54	04/24/12 08:20	04/26/12 00:00	N/A	14.00	04/26/12 15:48	3.20	14.00	
GW0621	04/23/12 09:54	04/24/12 08:20	04/26/12 00:00	N/A	14.00	04/26/12 16:15	3.22	14.00	
GW0622	04/23/12 12:59	04/24/12 08:20	04/26/12 00:00	N/A	14.00	04/26/12 16:42	3.11	14.00	
GW8195-TB	04/23/12 08:00	04/24/12 08:20	04/26/12 00:00	N/A	14.00	04/26/12 13:35	3.19	14.00	
GW0540	04/23/12 15:00	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 12:46	8.87	14.00	
GW0558	04/24/12 10:17	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 13:13	8.08	14.00	
GW0559	04/24/12 13:25	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 13:40	7.97	14.00	
GW0566	04/24/12 11:06	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 14:06	8.08	14.00	
GW0567	04/24/12 13:26	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 14:33	8.00	14.00	
GW0568	04/24/12 13:26	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 15:00	8.02	14.00	
GW0619	04/23/12 15:31	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 15:27	8.96	14.00	
GW8196-TB	04/24/12 08:00	04/25/12 08:35	05/02/12 00:00	N/A	14.00	05/02/12 11:52	8.12	14.00	
GW0557	04/24/12 16:08	04/26/12 08:20	05/02/12 00:00	N/A	14.00	05/02/12 15:54	7.95	14.00	
GW0569	04/24/12 15:45	04/26/12 08:20	05/02/12 00:00	N/A	14.00	05/02/12 16:21	7.98	14.00	
GW0571	04/25/12 13:47	04/26/12 08:20	05/02/12 00:00	N/A	14.00	05/02/12 16:48	7.08	14.00	
GW0572	04/25/12 11:20	04/26/12 08:20	05/02/12 00:00	N/A	14.00	05/02/12 17:14	7.20	14.00	
GW0574	04/25/12 11:31	04/26/12 08:20	05/02/12 00:00	N/A	14.00	05/02/12 17:41	7.22	14.00	
GW0575	04/25/12 14:05	04/26/12 08:20	05/02/12 00:00	N/A	14.00	05/02/12 18:08	7.13	14.00	
GW8197-TB	04/25/12 08:00	04/26/12 08:20	05/02/12 00:00	N/A	14.00	05/02/12 12:19	7.14	14.00	
GW0514	04/26/12 10:50	04/27/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 16:21	7.19	14.00	
GW0515	04/26/12 14:38	04/27/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 13:13	6.90	14.00	
GW0573	04/25/12 16:17	04/27/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 16:48	7.98	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0594	04/26/12 13:47	04/27/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 13:40	6.95	14.00	
GW0595	04/26/12 11:36	04/27/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 14:07	7.06	14.00	
GW8198-TB	04/26/12 08:00	04/27/12 08:20	05/03/12 00:00	N/A	14.00	05/03/12 10:05	7.05	14.00	
GW0530	04/27/12 15:48	04/28/12 08:30	05/03/12 00:00	N/A	14.00	05/03/12 15:01	5.93	14.00	
GW0531	04/27/12 13:50	04/28/12 08:30	05/03/12 00:00	N/A	14.00	05/03/12 15:27	6.03	14.00	
GW0532	04/27/12 11:33	04/28/12 08:30	05/03/12 00:00	N/A	14.00	05/03/12 15:54	6.14	14.00	
GW0593	04/26/12 16:08	04/28/12 08:30	05/03/12 00:00	N/A	14.00	05/03/12 13:00	6.83	14.00	
GW8051-AB	04/27/12 11:33	04/28/12 08:30	05/03/12 00:00	N/A	14.00	05/03/12 12:33	6.00	14.00	
GW8199-TB	04/27/12 08:00	04/28/12 08:30	05/03/12 00:00	N/A	14.00	05/03/12 12:06	6.13	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01	File ID:	0412701.D
Sampled:	04/23/12 12:36	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 15:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	X, U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01	File ID:	0412701.D
Sampled:	04/23/12 12:36	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 15:05
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	33.58	71.2	50 - 110	
2-Fluorophenol	94.34	29.58	31.4	20 - 110	
Nitrobenzene-d5	47.17	32.41	68.7	40 - 110	
Phenol-d6	94.34	16.89	17.9	0 - 110	
Terphenyl-d14	47.17	44.29	93.9	50 - 135	
2,4,6-Tribromophenol	94.34	73.88	78.3	40 - 125	

ANALYSIS DATA SHEET

GW0542

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-03	File ID:	0412703.D
Sampled:	04/23/12 10:24	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 15:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	X, 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

GW0542

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-03	File ID:	0412703.D
Sampled:	04/23/12 10:24	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 15:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	32.76	68.1	50 - 110	
2-Fluorophenol	96.15	29.04	30.2	20 - 110	
Nitrobenzene-d5	48.08	31.41	65.3	40 - 110	
Phenol-d6	96.15	17.44	18.1	0 - 110	
Terphenyl-d14	48.08	43.41	90.3	50 - 135	
2,4,6-Tribromophenol	96.15	67.44	70.1	40 - 125	

ANALYSIS DATA SHEET

GW0620

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-05	File ID:	0412705.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 16:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0620

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-05	File ID:	0412705.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 16:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	36.12	72.2	50 - 110	
2-Fluorophenol	100.0	28.56	28.6	20 - 110	
Nitrobenzene-d5	50.00	34.35	68.7	40 - 110	
Phenol-d6	100.0	18.30	18.3	0 - 110	
Terphenyl-d14	50.00	45.79	91.6	50 - 135	
2,4,6-Tribromophenol	100.0	68.39	68.4	40 - 125	

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07	File ID:	0412707.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 16:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.17	2.34	4.67	U
208-96-8	Acenaphthylene		1.17	2.34	4.67	U
98-86-2	Acetophenone		1.17	2.34	4.67	U
120-12-7	Anthracene		1.17	2.34	4.67	U
1912-24-9	Atrazine		1.17	2.34	4.67	U
100-52-7	Benzaldehyde		1.17	2.34	4.67	U
92-87-5	Benzidine		11.7	23.4	46.7	X, U
56-55-3	Benzo(a)anthracene		1.17	2.34	4.67	U
50-32-8	Benzo(a)pyrene		1.17	2.34	4.67	U
205-99-2	Benzo(b)fluoranthene		1.17	2.34	4.67	U
191-24-2	Benzo(g,h,i)perylene		1.17	2.34	4.67	U
65-85-0	Benzoic acid		11.7	23.4	46.7	U
207-08-9	Benzo(k)fluoranthene		1.17	2.34	4.67	U
92-52-4	1,1-Biphenyl		1.17	2.34	4.67	U
101-55-3	4-Bromophenyl-phenylether		1.17	2.34	4.67	U
85-68-7	Butylbenzylphthalate		1.17	2.34	4.67	U
105-60-2	Caprolactam		1.17	2.34	4.67	U
86-74-8	Carbazole		1.17	2.34	4.67	U
59-50-7	4-Chloro-3-methylphenol		1.17	2.34	4.67	U
106-47-8	4-Chloroaniline		1.17	2.34	4.67	U
111-91-1	Bis(2-chloroethoxy)methane		1.17	2.34	4.67	U
111-44-4	Bis(2-chloroethyl)ether		1.17	2.34	4.67	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.17	2.34	4.67	U
91-58-7	2-Chloronaphthalene		1.17	2.34	4.67	U
95-57-8	2-Chlorophenol		1.17	2.34	4.67	U
7005-72-3	4-Chlorophenyl phenyl ether		1.17	2.34	4.67	U
218-01-9	Chrysene		1.17	2.34	4.67	U
53-70-3	Dibenz(a,h)anthracene		1.17	2.34	4.67	U
132-64-9	Dibenzofuran		1.17	2.34	4.67	U
84-74-2	Di-n-butylphthalate		1.17	2.34	4.67	U
91-94-1	3,3'-Dichlorobenzidine		1.17	2.34	4.67	U
120-83-2	2,4-Dichlorophenol		1.17	2.34	4.67	U
84-66-2	Diethylphthalate		1.17	2.34	4.67	U
105-67-9	2,4-Dimethylphenol		4.67	9.35	18.7	U
131-11-3	Dimethyl phthalate		1.17	2.34	4.67	U
534-52-1	4,6-Dinitro-2-methylphenol		4.67	9.35	18.7	U
51-28-5	2,4-Dinitrophenol		0.935	23.4	46.7	U
121-14-2	2,4-Dinitrotoluene		1.17	2.34	4.67	X, U
606-20-2	2,6-Dinitrotoluene		1.17	2.34	4.67	U
117-84-0	Di-n-octylphthalate		1.17	2.34	4.67	U

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07	File ID:	0412707.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 16:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 Calibration: 2069001 Instrument: MS-BNA3

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.73	32.58	69.7	50 - 110	
2-Fluorophenol	93.46	25.99	27.8	20 - 110	
Nitrobenzene-d5	46.73	31.33	67.0	40 - 110	
Phenol-d6	93.46	15.58	16.7	0 - 110	
Terphenyl-d14	46.73	39.23	84.0	50 - 135	
2,4,6-Tribromophenol	93.46	62.99	67.4	40 - 125	

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09	File ID:	0412709.D
Sampled:	04/23/12 12:59	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 16:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	X, U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09	File ID:	0412709.D
Sampled:	04/23/12 12:59	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 16:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	27.34	58.0	50 - 110	
2-Fluorophenol	94.34	21.81	23.1	20 - 110	
Nitrobenzene-d5	47.17	25.44	53.9	40 - 110	
Phenol-d6	94.34	13.16	13.9	0 - 110	
Terphenyl-d14	47.17	40.96	86.8	50 - 135	
2,4,6-Tribromophenol	94.34	56.79	60.2	40 - 125	

ANALYSIS DATA SHEET

GW0540

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01	File ID:	0413901.D
Sampled:	04/23/12 15:00	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 18:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	X, 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

GW0540

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01	File ID:	0413901.D
Sampled:	04/23/12 15:00	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 18:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	33.28	69.2	50 - 110	
2-Fluorophenol	96.15	26.68	27.7	20 - 110	
Nitrobenzene-d5	48.08	31.74	66.0	40 - 110	
Phenol-d6	96.15	16.68	17.3	0 - 110	
Terphenyl-d14	48.08	40.74	84.7	50 - 135	
2,4,6-Tribromophenol	96.15	62.18	64.7	40 - 125	

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03	File ID:	0413903.D
Sampled:	04/24/12 10:17	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 18:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	N, U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	X, 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

GW0558

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03	File ID:	0413903.D
Sampled:	04/24/12 10:17	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 18:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	29.47	61.3	50 - 110	
2-Fluorophenol	96.15	25.82	26.9	20 - 110	
Nitrobenzene-d5	48.08	28.89	60.1	40 - 110	
Phenol-d6	96.15	14.62	15.2	0 - 110	
Terphenyl-d14	48.08	38.38	79.8	50 - 135	
2,4,6-Tribromophenol	96.15	63.97	66.5	40 - 125	

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05	File ID:	0413905.D
Sampled:	04/24/12 13:25	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 20:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05	File ID:	0413905.D
Sampled:	04/24/12 13:25	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 20:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	44.47	90.7	50 - 110	
2-Fluorophenol	98.04	39.75	40.5	20 - 110	
Nitrobenzene-d5	49.02	41.99	85.7	40 - 110	
Phenol-d6	98.04	23.17	23.6	0 - 110	
Terphenyl-d14	49.02	54.27	111	50 - 135	
2,4,6-Tribromophenol	98.04	91.42	93.2	40 - 125	

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07	File ID:	0413907.D
Sampled:	04/24/12 11:06	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 20:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		0.980	24.5	49.0	U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	X, U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07	File ID:	0413907.D
Sampled:	04/24/12 11:06	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 20:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	41.09	83.8	50 - 110	
2-Fluorophenol	98.04	33.07	33.7	20 - 110	
Nitrobenzene-d5	49.02	38.20	77.9	40 - 110	
Phenol-d6	98.04	19.97	20.4	0 - 110	
Terphenyl-d14	49.02	49.13	100	50 - 135	
2,4,6-Tribromophenol	98.04	76.49	78.0	40 - 125	

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09	File ID:	0413909.D
Sampled:	04/24/12 13:26	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 21:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09	File ID:	0413909.D
Sampled:	04/24/12 13:26	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 21:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	26.30	52.6	50 - 110	
2-Fluorophenol	100.0	23.29	23.3	20 - 110	
Nitrobenzene-d5	50.00	24.74	49.5	40 - 110	
Phenol-d6	100.0	13.19	13.2	0 - 110	
Terphenyl-d14	50.00	32.67	65.3	50 - 135	
2,4,6-Tribromophenol	100.0	55.15	55.2	40 - 125	

ANALYSIS DATA SHEET

GW0568

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11	File ID:	0413911.D
Sampled:	04/24/12 13:26	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 21:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	X, U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0568

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11	File ID:	0413911.D
Sampled:	04/24/12 13:26	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 21:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	36.97	78.4	50 - 110	
2-Fluorophenol	94.34	31.99	33.9	20 - 110	
Nitrobenzene-d5	47.17	34.67	73.5	40 - 110	
Phenol-d6	94.34	18.52	19.6	0 - 110	
Terphenyl-d14	47.17	46.13	97.8	50 - 135	
2,4,6-Tribromophenol	94.34	78.83	83.6	40 - 125	

ANALYSIS DATA SHEET

GW0619

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13	File ID:	0413913.D
Sampled:	04/23/12 15:31	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 21:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		0.962	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	X, 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

GW0619

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13	File ID:	0413913.D
Sampled:	04/23/12 15:31	Prepared:	04/26/12 13:51	Analyzed:	04/27/12 21:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D26007 Sequence: 2D12107 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	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	38.85	80.8	50 - 110	
2-Fluorophenol	96.15	34.86	36.3	20 - 110	
Nitrobenzene-d5	48.08	37.00	77.0	40 - 110	
Phenol-d6	96.15	20.07	20.9	0 - 110	
Terphenyl-d14	48.08	47.85	99.5	50 - 135	
2,4,6-Tribromophenol	96.15	79.60	82.8	40 - 125	

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01	File ID:	0414701.D
Sampled:	04/24/12 16:08	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 17:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	U
105-60-2	Caprolactam		1.24	2.48	4.95	Q, 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	Q, 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

GW0557

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01	File ID:	0414701.D
Sampled:	04/24/12 16:08	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 17:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	86.5	50 - 110	
2-Fluorophenol	99.01	33.31	33.6	20 - 110	
Nitrobenzene-d5	49.50	45.60	92.1	40 - 110	
Phenol-d6	99.01	18.47	18.7	0 - 110	
Terphenyl-d14	49.50	51.97	105	50 - 135	
2,4,6-Tribromophenol	99.01	93.36	94.3	40 - 125	

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03	File ID:	0414703D.D
Sampled:	04/24/12 15:45	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 18:22
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.4	24.8	49.5	U
208-96-8	Acenaphthylene		12.4	24.8	49.5	U
98-86-2	Acetophenone	178	12.4	24.8	49.5	D
120-12-7	Anthracene		12.4	24.8	49.5	U
1912-24-9	Atrazine		12.4	24.8	49.5	U
100-52-7	Benzaldehyde		12.4	24.8	49.5	U
92-87-5	Benzidine		124	248	495	U
56-55-3	Benzo(a)anthracene		12.4	24.8	49.5	U
50-32-8	Benzo(a)pyrene		12.4	24.8	49.5	U
205-99-2	Benzo(b)fluoranthene		12.4	24.8	49.5	U
191-24-2	Benzo(g,h,i)perylene		12.4	24.8	49.5	U
65-85-0	Benzoic acid		124	248	495	U
207-08-9	Benzo(k)fluoranthene		12.4	24.8	49.5	U
92-52-4	1,1-Biphenyl		12.4	24.8	49.5	U
101-55-3	4-Bromophenyl-phenylether		12.4	24.8	49.5	U
85-68-7	Butylbenzylphthalate		12.4	24.8	49.5	U
105-60-2	Caprolactam		12.4	24.8	49.5	Q, U
86-74-8	Carbazole		12.4	24.8	49.5	U
59-50-7	4-Chloro-3-methylphenol		12.4	24.8	49.5	U
106-47-8	4-Chloroaniline		12.4	24.8	49.5	U
111-91-1	Bis(2-chloroethoxy)methane		12.4	24.8	49.5	U
111-44-4	Bis(2-chloroethyl)ether		12.4	24.8	49.5	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.4	24.8	49.5	U
91-58-7	2-Chloronaphthalene		12.4	24.8	49.5	U
95-57-8	2-Chlorophenol		12.4	24.8	49.5	U
7005-72-3	4-Chlorophenyl phenyl ether		12.4	24.8	49.5	U
218-01-9	Chrysene		12.4	24.8	49.5	U
53-70-3	Dibenz(a,h)anthracene		12.4	24.8	49.5	U
132-64-9	Dibenzofuran		12.4	24.8	49.5	U
84-74-2	Di-n-butylphthalate		12.4	24.8	49.5	U
91-94-1	3,3'-Dichlorobenzidine		12.4	24.8	49.5	U
120-83-2	2,4-Dichlorophenol		12.4	24.8	49.5	U
84-66-2	Diethylphthalate		12.4	24.8	49.5	U
105-67-9	2,4-Dimethylphenol		49.5	99.0	198	U
131-11-3	Dimethyl phthalate		12.4	24.8	49.5	U
534-52-1	4,6-Dinitro-2-methylphenol		49.5	99.0	198	U
51-28-5	2,4-Dinitrophenol		9.90	248	495	Q, U
121-14-2	2,4-Dinitrotoluene		12.4	24.8	49.5	U
606-20-2	2,6-Dinitrotoluene		12.4	24.8	49.5	U
117-84-0	Di-n-octylphthalate		12.4	24.8	49.5	U

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03	File ID:	0414703D.D
Sampled:	04/24/12 15:45	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 18:22
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.4	24.8	49.5	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.4	24.8	49.5	U
206-44-0	Fluoranthene		12.4	24.8	49.5	U
86-73-7	Fluorene		12.4	24.8	49.5	U
118-74-1	Hexachlorobenzene		12.4	24.8	49.5	U
87-68-3	Hexachlorobutadiene		12.4	24.8	49.5	U
77-47-4	Hexachlorocyclopentadiene		12.4	24.8	49.5	U
67-72-1	Hexachloroethane		12.4	24.8	49.5	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.4	24.8	49.5	U
78-59-1	Isophorone		12.4	24.8	49.5	U
90-12-0	1-Methylnaphthalene		12.4	24.8	49.5	U
91-57-6	2-Methylnaphthalene		12.4	24.8	49.5	U
95-48-7	2-Methylphenol		12.4	24.8	49.5	U
108-39-4/106	3-Methylphenol/4-Methylphenol		12.4	24.8	49.5	U
91-20-3	Naphthalene	16.7	12.4	24.8	49.5	J, D
100-01-6	4-Nitroaniline		49.5	99.0	198	U
99-09-2	3-Nitroaniline		49.5	99.0	198	U
88-74-4	2-Nitroaniline		49.5	99.0	198	U
98-95-3	Nitrobenzene		12.4	24.8	49.5	U
100-02-7	4-Nitrophenol		49.5	99.0	198	U
88-75-5	2-Nitrophenol		12.4	24.8	49.5	U
86-30-6	N-Nitrosodiphenylamine		12.4	24.8	49.5	U
621-64-7	N-Nitroso-di-n-propylamine		12.4	24.8	49.5	U
87-86-5	Pentachlorophenol		49.5	99.0	198	U
85-01-8	Phenanthrene		12.4	24.8	49.5	U
108-95-2	Phenol		12.4	24.8	49.5	U
129-00-0	Pyrene		12.4	24.8	49.5	U
88-06-2	2,4,6-Trichlorophenol		12.4	24.8	49.5	U
95-95-4	2,4,5-Trichlorophenol		12.4	24.8	49.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.50	40.25	81.3	50 - 110	
2-Fluorophenol	99.01	31.69	32.0	20 - 110	
Nitrobenzene-d5	49.50	40.81	82.4	40 - 110	
Phenol-d6	99.01	16.98	17.2	0 - 110	
Terphenyl-d14	49.50	47.52	96.0	50 - 135	
2,4,6-Tribromophenol	99.01	94.78	95.7	40 - 125	

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05	File ID:	0414705.D
Sampled:	04/25/12 13:47	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 18:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	U
105-60-2	Caprolactam	7.15	1.24	2.48	4.95	Q
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	Q, 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

GW0571

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05	File ID:	0414705.D
Sampled:	04/25/12 13:47	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 18:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	40.44	81.7	50 - 110	
2-Fluorophenol	99.01	29.90	30.2	20 - 110	
Nitrobenzene-d5	49.50	41.12	83.1	40 - 110	
Phenol-d6	99.01	16.63	16.8	0 - 110	
Terphenyl-d14	49.50	48.18	97.3	50 - 135	
2,4,6-Tribromophenol	99.01	89.60	90.5	40 - 125	

ANALYSIS DATA SHEET

GW0572

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07	File ID:	0414707.D
Sampled:	04/25/12 11:20	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 19:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	U
105-60-2	Caprolactam		1.24	2.48	4.95	Q, 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	Q, 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

GW0572

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07	File ID:	0414707.D
Sampled:	04/25/12 11:20	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 19:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	41.67	84.2	50 - 110	
2-Fluorophenol	99.01	31.18	31.5	20 - 110	
Nitrobenzene-d5	49.50	40.78	82.4	40 - 110	
Phenol-d6	99.01	17.39	17.6	0 - 110	
Terphenyl-d14	49.50	50.58	102	50 - 135	
2,4,6-Tribromophenol	99.01	87.09	88.0	40 - 125	

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09	File ID:	0414709.D
Sampled:	04/25/12 11:31	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 19:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	U
105-60-2	Caprolactam		1.24	2.48	4.95	Q, 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	Q, 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

GW0574

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09	File ID:	0414709.D
Sampled:	04/25/12 11:31	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 19:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

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	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	42.76	86.4	50 - 110	
2-Fluorophenol	99.01	32.92	33.2	20 - 110	
Nitrobenzene-d5	49.50	44.48	89.9	40 - 110	
Phenol-d6	99.01	18.23	18.4	0 - 110	
Terphenyl-d14	49.50	49.65	100	50 - 135	
2,4,6-Tribromophenol	99.01	89.64	90.5	40 - 125	

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11	File ID:	0414711.D
Sampled:	04/25/12 14:05	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 20:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	Q, 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

GW0575

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11	File ID:	0414711.D
Sampled:	04/25/12 14:05	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 20:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.11	86.2	50 - 110	
2-Fluorophenol	100.0	33.00	33.0	20 - 110	
Nitrobenzene-d5	50.00	42.21	84.4	40 - 110	
Phenol-d6	100.0	18.48	18.5	0 - 110	
Terphenyl-d14	50.00	38.23	76.5	50 - 135	
2,4,6-Tribromophenol	100.0	78.01	78.0	40 - 125	

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01	File ID:	0416101D.D
Sampled:	04/26/12 10:50	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 21:33
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		12.1	24.3	48.5	U
208-96-8	Acenaphthylene		12.1	24.3	48.5	U
98-86-2	Acetophenone	4420	12.1	24.3	48.5	D, E
120-12-7	Anthracene		12.1	24.3	48.5	U
1912-24-9	Atrazine		12.1	24.3	48.5	U
100-52-7	Benzaldehyde	27.3	12.1	24.3	48.5	J, D
92-87-5	Benzidine		121	243	485	U
56-55-3	Benzo(a)anthracene		12.1	24.3	48.5	U
50-32-8	Benzo(a)pyrene		12.1	24.3	48.5	U
205-99-2	Benzo(b)fluoranthene		12.1	24.3	48.5	U
191-24-2	Benzo(g,h,i)perylene		12.1	24.3	48.5	U
65-85-0	Benzoic acid		121	243	485	U
207-08-9	Benzo(k)fluoranthene		12.1	24.3	48.5	U
92-52-4	1,1-Biphenyl		12.1	24.3	48.5	U
101-55-3	4-Bromophenyl-phenylether		12.1	24.3	48.5	U
85-68-7	Butylbenzylphthalate		12.1	24.3	48.5	U
105-60-2	Caprolactam		12.1	24.3	48.5	Q, U
86-74-8	Carbazole		12.1	24.3	48.5	U
59-50-7	4-Chloro-3-methylphenol		12.1	24.3	48.5	U
106-47-8	4-Chloroaniline		12.1	24.3	48.5	U
111-91-1	Bis(2-chloroethoxy)methane		12.1	24.3	48.5	U
111-44-4	Bis(2-chloroethyl)ether		12.1	24.3	48.5	U
108-60-1	2,2'-Oxybis-1-chloropropane		12.1	24.3	48.5	U
91-58-7	2-Chloronaphthalene		12.1	24.3	48.5	U
95-57-8	2-Chlorophenol		12.1	24.3	48.5	U
7005-72-3	4-Chlorophenyl phenyl ether		12.1	24.3	48.5	U
218-01-9	Chrysene		12.1	24.3	48.5	U
53-70-3	Dibenz(a,h)anthracene		12.1	24.3	48.5	U
132-64-9	Dibenzofuran		12.1	24.3	48.5	U
84-74-2	Di-n-butylphthalate		12.1	24.3	48.5	U
91-94-1	3,3'-Dichlorobenzidine		12.1	24.3	48.5	U
120-83-2	2,4-Dichlorophenol		12.1	24.3	48.5	U
84-66-2	Diethylphthalate		12.1	24.3	48.5	U
105-67-9	2,4-Dimethylphenol		48.5	97.1	194	U
131-11-3	Dimethyl phthalate		12.1	24.3	48.5	U
534-52-1	4,6-Dinitro-2-methylphenol		48.5	97.1	194	U
51-28-5	2,4-Dinitrophenol		9.71	243	485	Q, U
121-14-2	2,4-Dinitrotoluene		12.1	24.3	48.5	U
606-20-2	2,6-Dinitrotoluene		12.1	24.3	48.5	U
117-84-0	Di-n-octylphthalate		12.1	24.3	48.5	U

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01	File ID:	0416101D.D
Sampled:	04/26/12 10:50	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 21:33
Solids:		Preparation:	EXT_3510	Dilution:	10

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		12.1	24.3	48.5	U
117-81-7	Bis(2-ethylhexyl)phthalate		12.1	24.3	48.5	U
206-44-0	Fluoranthene		12.1	24.3	48.5	U
86-73-7	Fluorene		12.1	24.3	48.5	U
118-74-1	Hexachlorobenzene		12.1	24.3	48.5	U
87-68-3	Hexachlorobutadiene		12.1	24.3	48.5	U
77-47-4	Hexachlorocyclopentadiene		12.1	24.3	48.5	U
67-72-1	Hexachloroethane		12.1	24.3	48.5	U
193-39-5	Indeno(1,2,3-cd)pyrene		12.1	24.3	48.5	U
78-59-1	Isophorone		12.1	24.3	48.5	U
90-12-0	1-Methylnaphthalene	22.8	12.1	24.3	48.5	J, D
91-57-6	2-Methylnaphthalene	23.2	12.1	24.3	48.5	J, D
95-48-7	2-Methylphenol		12.1	24.3	48.5	U
108-39-4/106	3-Methylphenol/4-Methylphenol		12.1	24.3	48.5	U
91-20-3	Naphthalene	76.4	12.1	24.3	48.5	D
100-01-6	4-Nitroaniline		48.5	97.1	194	U
99-09-2	3-Nitroaniline		48.5	97.1	194	U
88-74-4	2-Nitroaniline		48.5	97.1	194	U
98-95-3	Nitrobenzene		12.1	24.3	48.5	U
100-02-7	4-Nitrophenol		48.5	97.1	194	U
88-75-5	2-Nitrophenol		12.1	24.3	48.5	U
86-30-6	N-Nitrosodiphenylamine		12.1	24.3	48.5	U
621-64-7	N-Nitroso-di-n-propylamine		12.1	24.3	48.5	U
87-86-5	Pentachlorophenol		48.5	97.1	194	U
85-01-8	Phenanthrene		12.1	24.3	48.5	U
108-95-2	Phenol		12.1	24.3	48.5	U
129-00-0	Pyrene		12.1	24.3	48.5	U
88-06-2	2,4,6-Trichlorophenol		12.1	24.3	48.5	U
95-95-4	2,4,5-Trichlorophenol		12.1	24.3	48.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.54	32.63	67.2	50 - 110	
2-Fluorophenol	97.09	25.92	26.7	20 - 110	
Nitrobenzene-d5	48.54	31.07	64.0	40 - 110	
Phenol-d6	97.09	15.71	16.2	0 - 110	
Terphenyl-d14	48.54	18.85	38.8	50 - 135	*
2,4,6-Tribromophenol	97.09	73.32	75.5	40 - 125	

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01RE1	File ID:	416101D2.D
Sampled:	04/26/12 10:50	Prepared:	04/30/12 14:25	Analyzed:	05/08/12 15:39
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2D30008 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		121	243	485	U
208-96-8	Acenaphthylene		121	243	485	U
98-86-2	Acetophenone	5080	121	243	485	D
120-12-7	Anthracene		121	243	485	U
1912-24-9	Atrazine		121	243	485	U
100-52-7	Benzaldehyde		121	243	485	U
92-87-5	Benzidine		1210	2430	4850	U
56-55-3	Benzo(a)anthracene		121	243	485	U
50-32-8	Benzo(a)pyrene		121	243	485	U
205-99-2	Benzo(b)fluoranthene		121	243	485	U
191-24-2	Benzo(g,h,i)perylene		121	243	485	U
65-85-0	Benzoic acid		1210	2430	4850	U
207-08-9	Benzo(k)fluoranthene		121	243	485	U
92-52-4	1,1-Biphenyl		121	243	485	U
101-55-3	4-Bromophenyl-phenylether		121	243	485	U
85-68-7	Butylbenzylphthalate		121	243	485	U
105-60-2	Caprolactam		121	243	485	Q, U
86-74-8	Carbazole		121	243	485	U
59-50-7	4-Chloro-3-methylphenol		121	243	485	U
106-47-8	4-Chloroaniline		121	243	485	U
111-91-1	Bis(2-chloroethoxy)methane		121	243	485	U
111-44-4	Bis(2-chloroethyl)ether		121	243	485	U
108-60-1	2,2'-Oxybis-1-chloropropane		121	243	485	U
91-58-7	2-Chloronaphthalene		121	243	485	U
95-57-8	2-Chlorophenol		121	243	485	U
7005-72-3	4-Chlorophenyl phenyl ether		121	243	485	U
218-01-9	Chrysene		121	243	485	U
53-70-3	Dibenz(a,h)anthracene		121	243	485	U
132-64-9	Dibenzofuran		121	243	485	U
84-74-2	Di-n-butylphthalate		121	243	485	U
91-94-1	3,3'-Dichlorobenzidine		121	243	485	U
120-83-2	2,4-Dichlorophenol		121	243	485	U
84-66-2	Diethylphthalate		121	243	485	U
105-67-9	2,4-Dimethylphenol		485	971	1940	U
131-11-3	Dimethyl phthalate		121	243	485	U
534-52-1	4,6-Dinitro-2-methylphenol		485	971	1940	U
51-28-5	2,4-Dinitrophenol		97.1	2430	4850	U
121-14-2	2,4-Dinitrotoluene		121	243	485	U
606-20-2	2,6-Dinitrotoluene		121	243	485	U
117-84-0	Di-n-octylphthalate		121	243	485	U

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01RE1	File ID:	416101D2.D
Sampled:	04/26/12 10:50	Prepared:	04/30/12 14:25	Analyzed:	05/08/12 15:39
Solids:		Preparation:	EXT_3510	Dilution:	100

Batch: 2D30008 Sequence: 2E13010 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		121	243	485	U
117-81-7	Bis(2-ethylhexyl)phthalate		121	243	485	U
206-44-0	Fluoranthene		121	243	485	U
86-73-7	Fluorene		121	243	485	U
118-74-1	Hexachlorobenzene		121	243	485	U
87-68-3	Hexachlorobutadiene		121	243	485	U
77-47-4	Hexachlorocyclopentadiene		121	243	485	U
67-72-1	Hexachloroethane		121	243	485	U
193-39-5	Indeno(1,2,3-cd)pyrene		121	243	485	U
78-59-1	Isophorone		121	243	485	U
90-12-0	1-Methylnaphthalene		121	243	485	U
91-57-6	2-Methylnaphthalene		121	243	485	U
95-48-7	2-Methylphenol		121	243	485	U
108-39-4/106	3-Methylphenol/4-Methylphenol		121	243	485	U
91-20-3	Naphthalene	129	121	243	485	J, D
100-01-6	4-Nitroaniline		485	971	1940	U
99-09-2	3-Nitroaniline		485	971	1940	U
88-74-4	2-Nitroaniline		485	971	1940	U
98-95-3	Nitrobenzene		121	243	485	U
100-02-7	4-Nitrophenol		485	971	1940	U
88-75-5	2-Nitrophenol		121	243	485	U
86-30-6	N-Nitrosodiphenylamine		121	243	485	U
621-64-7	N-Nitroso-di-n-propylamine		121	243	485	U
87-86-5	Pentachlorophenol		485	971	1940	U
85-01-8	Phenanthrene		121	243	485	U
108-95-2	Phenol		121	243	485	U
129-00-0	Pyrene		121	243	485	U
88-06-2	2,4,6-Trichlorophenol		121	243	485	U
95-95-4	2,4,5-Trichlorophenol		121	243	485	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.54	0.000		50 - 110	DU
2-Fluorophenol	97.09	0.000		20 - 110	DU
Nitrobenzene-d5	48.54	0.000		40 - 110	DX, U
Phenol-d6	97.09	0.000		0 - 110	DU
Terphenyl-d14	48.54	0.000		50 - 135	DU
2,4,6-Tribromophenol	97.09	0.000		40 - 125	DX, U

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03	File ID:	0416103.D
Sampled:	04/26/12 14:38	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 12:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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

GW0515

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03	File ID:	0416103.D
Sampled:	04/26/12 14:38	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 12:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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	39.19	81.5	50 - 110	
2-Fluorophenol	96.15	30.62	31.8	20 - 110	
Nitrobenzene-d5	48.08	40.23	83.7	40 - 110	
Phenol-d6	96.15	19.44	20.2	0 - 110	
Terphenyl-d14	48.08	48.07	100	50 - 135	
2,4,6-Tribromophenol	96.15	65.84	68.5	40 - 125	

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05	File ID:	0416105.D
Sampled:	04/25/12 16:17	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 22:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone	6.80	1.25	2.50	5.00	
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	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	4.13	1.25	2.50	5.00	Q, J
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	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	Q, 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

GW0573

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05	File ID:	0416105.D
Sampled:	04/25/12 16:17	Prepared:	04/30/12 14:25	Analyzed:	05/01/12 22:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene	2.06	1.25	2.50	5.00	J
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	4.47	1.25	2.50	5.00	J
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	37.94	75.9	50 - 110	
2-Fluorophenol	100.0	29.07	29.1	20 - 110	
Nitrobenzene-d5	50.00	39.80	79.6	40 - 110	
Phenol-d6	100.0	16.63	16.6	0 - 110	
Terphenyl-d14	50.00	39.26	78.5	50 - 135	
2,4,6-Tribromophenol	100.0	88.06	88.1	40 - 125	

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07	File ID:	0416107.D
Sampled:	04/26/12 13:47	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 12:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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

GW0594

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07	File ID:	0416107.D
Sampled:	04/26/12 13:47	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 12:32
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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	38.16	79.4	50 - 110	
2-Fluorophenol	96.15	32.15	33.4	20 - 110	
Nitrobenzene-d5	48.08	38.64	80.4	40 - 110	
Phenol-d6	96.15	19.55	20.3	0 - 110	
Terphenyl-d14	48.08	46.99	97.7	50 - 135	
2,4,6-Tribromophenol	96.15	73.73	76.7	40 - 125	

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09	File ID:	0416109.D
Sampled:	04/26/12 11:36	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 13:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09	File ID:	0416109.D
Sampled:	04/26/12 11:36	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 13:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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	35.99	76.3	50 - 110	
2-Fluorophenol	94.34	28.78	30.5	20 - 110	
Nitrobenzene-d5	47.17	36.06	76.5	40 - 110	
Phenol-d6	94.34	17.29	18.3	0 - 110	
Terphenyl-d14	47.17	48.49	103	50 - 135	
2,4,6-Tribromophenol	94.34	70.60	74.8	40 - 125	

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01	File ID:	0416401.D
Sampled:	04/27/12 15:48	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 13:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01	File ID:	0416401.D
Sampled:	04/27/12 15:48	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 13:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	37.24	79.0	50 - 110	
2-Fluorophenol	94.34	29.80	31.6	20 - 110	
Nitrobenzene-d5	47.17	36.26	76.9	40 - 110	
Phenol-d6	94.34	17.72	18.8	0 - 110	
Terphenyl-d14	47.17	49.40	105	50 - 135	
2,4,6-Tribromophenol	94.34	68.62	72.7	40 - 125	

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03	File ID:	0416403.D
Sampled:	04/27/12 13:50	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 13:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03	File ID:	0416403.D
Sampled:	04/27/12 13:50	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 13:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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	35.49	75.2	50 - 110	
2-Fluorophenol	94.34	28.85	30.6	20 - 110	
Nitrobenzene-d5	47.17	33.79	71.6	40 - 110	
Phenol-d6	94.34	16.67	17.7	0 - 110	
Terphenyl-d14	47.17	46.31	98.2	50 - 135	
2,4,6-Tribromophenol	94.34	66.43	70.4	40 - 125	

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05	File ID:	0416405.D
Sampled:	04/27/12 11:33	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 14:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		0.943	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05	File ID:	0416405.D
Sampled:	04/27/12 11:33	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 14:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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	36.84	78.1	50 - 110	
2-Fluorophenol	94.34	30.72	32.6	20 - 110	
Nitrobenzene-d5	47.17	34.54	73.2	40 - 110	
Phenol-d6	94.34	17.60	18.7	0 - 110	
Terphenyl-d14	47.17	47.14	99.9	50 - 135	
2,4,6-Tribromophenol	94.34	66.83	70.8	40 - 125	

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07	File ID:	0416407.D
Sampled:	04/26/12 16:08	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 14:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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

GW0593

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07	File ID:	0416407.D
Sampled:	04/26/12 16:08	Prepared:	05/02/12 12:28	Analyzed:	05/04/12 14:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01006 Sequence: 2E12911 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	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	39.93	83.0	50 - 110	
2-Fluorophenol	96.15	31.10	32.3	20 - 110	
Nitrobenzene-d5	48.08	38.88	80.9	40 - 110	
Phenol-d6	96.15	19.15	19.9	0 - 110	
Terphenyl-d14	48.08	48.54	101	50 - 135	
2,4,6-Tribromophenol	96.15	72.34	75.2	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D12107-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/27/12 13:14		
2-Fluorobiphenyl	50.00	116	80 - 120	7.661	7.661	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	3.681	3.681	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	116	80 - 120	5.562	5.562	0.0000	+/-0.500	
Phenol-d6	100.0	106	80 - 120	4.589	4.589	0.0000	+/-0.500	
Terphenyl-d14	50.00	116	80 - 120	12.202	12.202	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	120	80 - 120	9.435	9.435	0.0000	+/-0.500	
Blank (2D26007-BLK1) ug/L				Lab File ID: D26007B1.D		Analyzed: 04/27/12 14:09		
2-Fluorobiphenyl	50.00	75.1	50 - 110	7.659	7.661	-0.0020	+/-0.500	
2-Fluorophenol	100.0	28.3	20 - 110	3.684	3.681	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	72.9	40 - 110	5.554	5.562	-0.0080	+/-0.500	
Phenol-d6	100.0	17.3	0 - 110	4.582	4.589	-0.0070	+/-0.500	
Terphenyl-d14	50.00	90.1	50 - 135	12.2	12.202	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	67.0	40 - 125	9.427	9.435	-0.0080	+/-0.500	
GW0541 (1204127-01) ug/L				Lab File ID: 0412701.D		Analyzed: 04/27/12 15:05		
2-Fluorobiphenyl	47.17	71.2	50 - 110	7.656	7.661	-0.0050	+/-0.500	
2-Fluorophenol	94.34	31.4	20 - 110	3.682	3.681	0.0010	+/-0.500	
Nitrobenzene-d5	47.17	68.7	40 - 110	5.557	5.562	-0.0050	+/-0.500	
Phenol-d6	94.34	17.9	0 - 110	4.579	4.589	-0.0100	+/-0.500	
Terphenyl-d14	47.17	93.9	50 - 135	12.197	12.202	-0.0050	+/-0.500	
2,4,6-Tribromophenol	94.34	78.3	40 - 125	9.43	9.435	-0.0050	+/-0.500	
GW0542 (1204127-03) ug/L				Lab File ID: 0412703.D		Analyzed: 04/27/12 15:33		
2-Fluorobiphenyl	48.08	68.1	50 - 110	7.656	7.661	-0.0050	+/-0.500	
2-Fluorophenol	96.15	30.2	20 - 110	3.681	3.681	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	65.3	40 - 110	5.556	5.562	-0.0060	+/-0.500	
Phenol-d6	96.15	18.1	0 - 110	4.579	4.589	-0.0100	+/-0.500	
Terphenyl-d14	48.08	90.3	50 - 135	12.197	12.202	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	70.1	40 - 125	9.429	9.435	-0.0060	+/-0.500	
GW0620 (1204127-05) ug/L				Lab File ID: 0412705.D		Analyzed: 04/27/12 16:00		
2-Fluorobiphenyl	50.00	72.2	50 - 110	7.659	7.661	-0.0020	+/-0.500	
2-Fluorophenol	100.0	28.6	20 - 110	3.684	3.681	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	68.7	40 - 110	5.554	5.562	-0.0080	+/-0.500	
Phenol-d6	100.0	18.3	0 - 110	4.582	4.589	-0.0070	+/-0.500	
Terphenyl-d14	50.00	91.6	50 - 135	12.2	12.202	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	68.4	40 - 125	9.432	9.435	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0621 (1204127-07) ug/L				Lab File ID: 0412707.D		Analyzed: 04/27/12 16:28		
2-Fluorobiphenyl	46.73	69.7	50 - 110	7.656	7.661	-0.0050	+/-0.500	
2-Fluorophenol	93.46	27.8	20 - 110	3.682	3.681	0.0010	+/-0.500	
Nitrobenzene-d5	46.73	67.0	40 - 110	5.557	5.562	-0.0050	+/-0.500	
Phenol-d6	93.46	16.7	0 - 110	4.579	4.589	-0.0100	+/-0.500	
Terphenyl-d14	46.73	84.0	50 - 135	12.197	12.202	-0.0050	+/-0.500	
2,4,6-Tribromophenol	93.46	67.4	40 - 125	9.43	9.435	-0.0050	+/-0.500	
GW0622 (1204127-09) ug/L				Lab File ID: 0412709.D		Analyzed: 04/27/12 16:55		
2-Fluorobiphenyl	47.17	58.0	50 - 110	7.655	7.661	-0.0060	+/-0.500	
2-Fluorophenol	94.34	23.1	20 - 110	3.681	3.681	0.0000	+/-0.500	
Nitrobenzene-d5	47.17	53.9	40 - 110	5.556	5.562	-0.0060	+/-0.500	
Phenol-d6	94.34	13.9	0 - 110	4.578	4.589	-0.0110	+/-0.500	
Terphenyl-d14	47.17	86.8	50 - 135	12.196	12.202	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	60.2	40 - 125	9.429	9.435	-0.0060	+/-0.500	
GW0540 (1204139-01) ug/L				Lab File ID: 0413901.D		Analyzed: 04/27/12 18:18		
2-Fluorobiphenyl	48.08	69.2	50 - 110	7.656	7.661	-0.0050	+/-0.500	
2-Fluorophenol	96.15	27.7	20 - 110	3.681	3.681	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	66.0	40 - 110	5.556	5.562	-0.0060	+/-0.500	
Phenol-d6	96.15	17.3	0 - 110	4.584	4.589	-0.0050	+/-0.500	
Terphenyl-d14	48.08	84.7	50 - 135	12.196	12.202	-0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	64.7	40 - 125	9.429	9.435	-0.0060	+/-0.500	
GW0558 (1204139-03) ug/L				Lab File ID: 0413903.D		Analyzed: 04/27/12 18:46		
2-Fluorobiphenyl	48.08	61.3	50 - 110	7.655	7.661	-0.0060	+/-0.500	
2-Fluorophenol	96.15	26.9	20 - 110	3.681	3.681	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	60.1	40 - 110	5.556	5.562	-0.0060	+/-0.500	
Phenol-d6	96.15	15.2	0 - 110	4.578	4.589	-0.0110	+/-0.500	
Terphenyl-d14	48.08	79.8	50 - 135	12.196	12.202	-0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	66.5	40 - 125	9.429	9.435	-0.0060	+/-0.500	
Matrix Spike (2D26007-MS1) ug/L				Lab File ID: 0413903M.D		Analyzed: 04/27/12 19:13		
2-Fluorobiphenyl	48.08	78.7	50 - 110	7.662	7.661	0.0010	+/-0.500	
2-Fluorophenol	96.15	37.9	20 - 110	3.682	3.681	0.0010	+/-0.500	
Nitrobenzene-d5	48.08	75.3	40 - 110	5.557	5.562	-0.0050	+/-0.500	
Phenol-d6	96.15	22.2	0 - 110	4.585	4.589	-0.0040	+/-0.500	
Terphenyl-d14	48.08	93.7	50 - 135	12.197	12.202	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	86.3	40 - 125	9.435	9.435	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2D26007-MSD1) ug/L				Lab File ID: 0413903S.D		Analyzed: 04/27/12 19:41		
2-Fluorobiphenyl	50.00	72.4	50 - 110	7.658	7.661	-0.0030	+/-0.500	
2-Fluorophenol	100.0	32.5	20 - 110	3.683	3.681	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	68.4	40 - 110	5.558	5.562	-0.0040	+/-0.500	
Phenol-d6	100.0	19.0	0 - 110	4.586	4.589	-0.0030	+/-0.500	
Terphenyl-d14	50.00	87.1	50 - 135	12.198	12.202	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	79.4	40 - 125	9.431	9.435	-0.0040	+/-0.500	
GW0559 (1204139-05) ug/L				Lab File ID: 0413905.D		Analyzed: 04/27/12 20:09		
2-Fluorobiphenyl	49.02	90.7	50 - 110	7.658	7.661	-0.0030	+/-0.500	
2-Fluorophenol	98.04	40.5	20 - 110	3.683	3.681	0.0020	+/-0.500	
Nitrobenzene-d5	49.02	85.7	40 - 110	5.553	5.562	-0.0090	+/-0.500	
Phenol-d6	98.04	23.6	0 - 110	4.581	4.589	-0.0080	+/-0.500	
Terphenyl-d14	49.02	111	50 - 135	12.199	12.202	-0.0030	+/-0.500	
2,4,6-Tribromophenol	98.04	93.2	40 - 125	9.432	9.435	-0.0030	+/-0.500	
GW0566 (1204139-07) ug/L				Lab File ID: 0413907.D		Analyzed: 04/27/12 20:36		
2-Fluorobiphenyl	49.02	83.8	50 - 110	7.655	7.661	-0.0060	+/-0.500	
2-Fluorophenol	98.04	33.7	20 - 110	3.681	3.681	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	77.9	40 - 110	5.556	5.562	-0.0060	+/-0.500	
Phenol-d6	98.04	20.4	0 - 110	4.578	4.589	-0.0110	+/-0.500	
Terphenyl-d14	49.02	100	50 - 135	12.196	12.202	-0.0060	+/-0.500	
2,4,6-Tribromophenol	98.04	78.0	40 - 125	9.429	9.435	-0.0060	+/-0.500	
GW0567 (1204139-09) ug/L				Lab File ID: 0413909.D		Analyzed: 04/27/12 21:04		
2-Fluorobiphenyl	50.00	52.6	50 - 110	7.657	7.661	-0.0040	+/-0.500	
2-Fluorophenol	100.0	23.3	20 - 110	3.683	3.681	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	49.5	40 - 110	5.552	5.562	-0.0100	+/-0.500	
Phenol-d6	100.0	13.2	0 - 110	4.58	4.589	-0.0090	+/-0.500	
Terphenyl-d14	50.00	65.3	50 - 135	12.198	12.202	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	55.2	40 - 125	9.425	9.435	-0.0100	+/-0.500	
GW0568 (1204139-11) ug/L				Lab File ID: 0413911.D		Analyzed: 04/27/12 21:31		
2-Fluorobiphenyl	47.17	78.4	50 - 110	7.655	7.661	-0.0060	+/-0.500	
2-Fluorophenol	94.34	33.9	20 - 110	3.681	3.681	0.0000	+/-0.500	
Nitrobenzene-d5	47.17	73.5	40 - 110	5.556	5.562	-0.0060	+/-0.500	
Phenol-d6	94.34	19.6	0 - 110	4.583	4.589	-0.0060	+/-0.500	
Terphenyl-d14	47.17	97.8	50 - 135	12.196	12.202	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	83.6	40 - 125	9.429	9.435	-0.0060	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0619 (1204139-13) ug/L				Lab File ID: 0413913.D		Analyzed: 04/27/12 21:59		
2-Fluorobiphenyl	48.08	80.8	50 - 110	7.659	7.661	-0.0020	+/-0.500	
2-Fluorophenol	96.15	36.3	20 - 110	3.679	3.681	-0.0020	+/-0.500	
Nitrobenzene-d5	48.08	77.0	40 - 110	5.554	5.562	-0.0080	+/-0.500	
Phenol-d6	96.15	20.9	0 - 110	4.582	4.589	-0.0070	+/-0.500	
Terphenyl-d14	48.08	99.5	50 - 135	12.2	12.202	-0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	82.8	40 - 125	9.427	9.435	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12113	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D12113-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 04/28/12 10:37		
2-Fluorobiphenyl	50.00	115	80 - 120	7.662	7.662	0.0000	+/-0.500	
2-Fluorophenol	100.0	103	80 - 120	3.682	3.682	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	116	80 - 120	5.557	5.557	0.0000	+/-0.500	
Phenol-d6	100.0	106	80 - 120	4.59	4.59	0.0000	+/-0.500	
Terphenyl-d14	50.00	118	80 - 120	12.203	12.203	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	121	80 - 120	9.436	9.436	0.0000	+/-0.500	*
LCS (2D26007-BS1) ug/L				Lab File ID: D26007L1.D		Analyzed: 04/28/12 11:32		
2-Fluorobiphenyl	50.00	86.0	50 - 110	7.658	7.662	-0.0040	+/-0.500	
2-Fluorophenol	100.0	42.7	20 - 110	3.683	3.682	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	82.3	40 - 110	5.558	5.557	0.0010	+/-0.500	
Phenol-d6	100.0	24.6	0 - 110	4.586	4.59	-0.0040	+/-0.500	
Terphenyl-d14	50.00	96.9	50 - 135	12.198	12.203	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	91.7	40 - 125	9.431	9.436	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12807	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12807-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/01/12 15:36		
2-Fluorobiphenyl	50.00	119	80 - 120	7.78	7.78	0.0000	+/-0.500	
2-Fluorophenol	100.0	107	80 - 120	3.764	3.764	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	120	80 - 120	5.669	5.669	0.0000	+/-0.500	
Phenol-d6	100.0	107	80 - 120	4.681	4.681	0.0000	+/-0.500	
Terphenyl-d14	50.00	117	80 - 120	12.321	12.321	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	119	80 - 120	9.557	9.557	0.0000	+/-0.500	
Blank (2D30008-BLK1) ug/L				Lab File ID: D30008B1.D		Analyzed: 05/01/12 16:31		
2-Fluorobiphenyl	50.00	65.8	50 - 110	7.78	7.78	0.0000	+/-0.500	
2-Fluorophenol	100.0	21.6	20 - 110	3.764	3.764	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	66.4	40 - 110	5.665	5.669	-0.0040	+/-0.500	
Phenol-d6	100.0	11.3	0 - 110	4.68	4.681	-0.0010	+/-0.500	
Terphenyl-d14	50.00	80.3	50 - 135	12.318	12.321	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	66.7	40 - 125	9.556	9.557	-0.0010	+/-0.500	
LCS (2D30008-BS1) ug/L				Lab File ID: D30008L1.D		Analyzed: 05/01/12 16:59		
2-Fluorobiphenyl	50.00	89.2	50 - 110	7.776	7.78	-0.0040	+/-0.500	
2-Fluorophenol	100.0	36.9	20 - 110	3.763	3.764	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	93.4	40 - 110	5.666	5.669	-0.0030	+/-0.500	
Phenol-d6	100.0	20.2	0 - 110	4.679	4.681	-0.0020	+/-0.500	
Terphenyl-d14	50.00	105	50 - 135	12.32	12.321	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	97.3	40 - 125	9.554	9.557	-0.0030	+/-0.500	
LCS Dup (2D30008-BSD1) ug/L				Lab File ID: D30008L2.D		Analyzed: 05/01/12 17:27		
2-Fluorobiphenyl	50.00	87.1	50 - 110	7.776	7.78	-0.0040	+/-0.500	
2-Fluorophenol	100.0	31.6	20 - 110	3.764	3.764	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	83.6	40 - 110	5.668	5.669	-0.0010	+/-0.500	
Phenol-d6	100.0	17.9	0 - 110	4.672	4.681	-0.0090	+/-0.500	
Terphenyl-d14	50.00	113	50 - 135	12.317	12.321	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	102	40 - 125	9.554	9.557	-0.0030	+/-0.500	
GW0557 (1204147-01) ug/L				Lab File ID: 0414701.D		Analyzed: 05/01/12 17:54		
2-Fluorobiphenyl	49.50	86.5	50 - 110	7.773	7.78	-0.0070	+/-0.500	
2-Fluorophenol	99.01	33.6	20 - 110	3.763	3.764	-0.0010	+/-0.500	
Nitrobenzene-d5	49.50	92.1	40 - 110	5.665	5.669	-0.0040	+/-0.500	
Phenol-d6	99.01	18.7	0 - 110	4.67	4.681	-0.0110	+/-0.500	
Terphenyl-d14	49.50	105	50 - 135	12.316	12.321	-0.0050	+/-0.500	
2,4,6-Tribromophenol	99.01	94.3	40 - 125	9.55	9.557	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12807	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0569 (1204147-03) ug/L				Lab File ID: 0414703D.D		Analyzed: 05/01/12 18:22		
2-Fluorobiphenyl	49.50	81.3	50 - 110	7.778	7.78	-0.0020	+/-0.500	
2-Fluorophenol	99.01	32.0	20 - 110	3.762	3.764	-0.0020	+/-0.500	
Nitrobenzene-d5	49.50	82.4	40 - 110	5.669	5.669	0.0000	+/-0.500	
Phenol-d6	99.01	17.2	0 - 110	4.671	4.681	-0.0100	+/-0.500	
Terphenyl-d14	49.50	96.0	50 - 135	12.312	12.321	-0.0090	+/-0.500	
2,4,6-Tribromophenol	99.01	95.7	40 - 125	9.553	9.557	-0.0040	+/-0.500	
GW0571 (1204147-05) ug/L				Lab File ID: 0414705.D		Analyzed: 05/01/12 18:49		
2-Fluorobiphenyl	49.50	81.7	50 - 110	7.778	7.78	-0.0020	+/-0.500	
2-Fluorophenol	99.01	30.2	20 - 110	3.764	3.764	0.0000	+/-0.500	
Nitrobenzene-d5	49.50	83.1	40 - 110	5.664	5.669	-0.0050	+/-0.500	
Phenol-d6	99.01	16.8	0 - 110	4.674	4.681	-0.0070	+/-0.500	
Terphenyl-d14	49.50	97.3	50 - 135	12.319	12.321	-0.0020	+/-0.500	
2,4,6-Tribromophenol	99.01	90.5	40 - 125	9.557	9.557	0.0000	+/-0.500	
GW0572 (1204147-07) ug/L				Lab File ID: 0414707.D		Analyzed: 05/01/12 19:17		
2-Fluorobiphenyl	49.50	84.2	50 - 110	7.773	7.78	-0.0070	+/-0.500	
2-Fluorophenol	99.01	31.5	20 - 110	3.762	3.764	-0.0020	+/-0.500	
Nitrobenzene-d5	49.50	82.4	40 - 110	5.665	5.669	-0.0040	+/-0.500	
Phenol-d6	99.01	17.6	0 - 110	4.679	4.681	-0.0020	+/-0.500	
Terphenyl-d14	49.50	102	50 - 135	12.316	12.321	-0.0050	+/-0.500	
2,4,6-Tribromophenol	99.01	88.0	40 - 125	9.549	9.557	-0.0080	+/-0.500	
GW0574 (1204147-09) ug/L				Lab File ID: 0414709.D		Analyzed: 05/01/12 19:44		
2-Fluorobiphenyl	49.50	86.4	50 - 110	7.773	7.78	-0.0070	+/-0.500	
2-Fluorophenol	99.01	33.2	20 - 110	3.763	3.764	-0.0010	+/-0.500	
Nitrobenzene-d5	49.50	89.9	40 - 110	5.666	5.669	-0.0030	+/-0.500	
Phenol-d6	99.01	18.4	0 - 110	4.67	4.681	-0.0110	+/-0.500	
Terphenyl-d14	49.50	100	50 - 135	12.313	12.321	-0.0080	+/-0.500	
2,4,6-Tribromophenol	99.01	90.5	40 - 125	9.55	9.557	-0.0070	+/-0.500	
GW0575 (1204147-11) ug/L				Lab File ID: 0414711.D		Analyzed: 05/01/12 20:11		
2-Fluorobiphenyl	50.00	86.2	50 - 110	7.777	7.78	-0.0030	+/-0.500	
2-Fluorophenol	100.0	33.0	20 - 110	3.764	3.764	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	84.4	40 - 110	5.667	5.669	-0.0020	+/-0.500	
Phenol-d6	100.0	18.5	0 - 110	4.672	4.681	-0.0090	+/-0.500	
Terphenyl-d14	50.00	76.5	50 - 135	12.313	12.321	-0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	78.0	40 - 125	9.553	9.557	-0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12807	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0514 (1204161-01) ug/L				Lab File ID: 0416101D.D		Analyzed: 05/01/12 21:33		
2-Fluorobiphenyl	48.54	67.2	50 - 110	7.778	7.78	-0.0020	+/-0.500	
2-Fluorophenol	97.09	26.7	20 - 110	3.773	3.764	0.0090	+/-0.500	
Nitrobenzene-d5	48.54	64.0	40 - 110	5.671	5.669	0.0020	+/-0.500	
Phenol-d6	97.09	16.2	0 - 110	4.692	4.681	0.0110	+/-0.500	
Terphenyl-d14	48.54	38.8	50 - 135	12.314	12.321	-0.0070	+/-0.500	*
2,4,6-Tribromophenol	97.09	75.5	40 - 125	9.554	9.557	-0.0030	+/-0.500	
GW0573 (1204161-05) ug/L				Lab File ID: 0416105.D		Analyzed: 05/01/12 22:00		
2-Fluorobiphenyl	50.00	75.9	50 - 110	7.778	7.78	-0.0020	+/-0.500	
2-Fluorophenol	100.0	29.1	20 - 110	3.764	3.764	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	79.6	40 - 110	5.663	5.669	-0.0060	+/-0.500	
Phenol-d6	100.0	16.6	0 - 110	4.683	4.681	0.0020	+/-0.500	
Terphenyl-d14	50.00	78.5	50 - 135	12.317	12.321	-0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	88.1	40 - 125	9.55	9.557	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12911-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/04/12 08:50		
2-Fluorobiphenyl	50.00	101	80 - 120	7.658	7.658	0.0000	+/-0.500	
2-Fluorophenol	100.0	94.3	80 - 120	3.678	3.678	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	107	80 - 120	5.559	5.559	0.0000	+/-0.500	
Phenol-d6	100.0	99.8	80 - 120	4.586	4.586	0.0000	+/-0.500	
Terphenyl-d14	50.00	101	80 - 120	12.199	12.199	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	94.0	80 - 120	9.432	9.432	0.0000	+/-0.500	
Blank (2E01006-BLK1) ug/L				Lab File ID: E01006B2.D		Analyzed: 05/04/12 10:14		
2-Fluorobiphenyl	50.00	79.7	50 - 110	7.654	7.658	-0.0040	+/-0.500	
2-Fluorophenol	100.0	33.2	20 - 110	3.679	3.678	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	79.5	40 - 110	5.554	5.559	-0.0050	+/-0.500	
Phenol-d6	100.0	19.3	0 - 110	4.582	4.586	-0.0040	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.194	12.199	-0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	75.1	40 - 125	9.427	9.432	-0.0050	+/-0.500	
LCS (2E01006-BS1) ug/L				Lab File ID: E01006L1.D		Analyzed: 05/04/12 10:41		
2-Fluorobiphenyl	50.00	86.7	50 - 110	7.661	7.658	0.0030	+/-0.500	
2-Fluorophenol	100.0	38.1	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	87.5	40 - 110	5.556	5.559	-0.0030	+/-0.500	
Phenol-d6	100.0	22.4	0 - 110	4.584	4.586	-0.0020	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	12.197	12.199	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	86.0	40 - 125	9.429	9.432	-0.0030	+/-0.500	
LCS Dup (2E01006-BSD1) ug/L				Lab File ID: E01006L2.D		Analyzed: 05/04/12 11:09		
2-Fluorobiphenyl	50.00	76.4	50 - 110	7.655	7.658	-0.0030	+/-0.500	
2-Fluorophenol	100.0	31.8	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	76.1	40 - 110	5.556	5.559	-0.0030	+/-0.500	
Phenol-d6	100.0	19.5	0 - 110	4.584	4.586	-0.0020	+/-0.500	
Terphenyl-d14	50.00	98.6	50 - 135	12.196	12.199	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	77.5	40 - 125	9.429	9.432	-0.0030	+/-0.500	
GW0515 (1204161-03) ug/L				Lab File ID: 0416103.D		Analyzed: 05/04/12 12:04		
2-Fluorobiphenyl	48.08	81.5	50 - 110	7.654	7.658	-0.0040	+/-0.500	
2-Fluorophenol	96.15	31.8	20 - 110	3.679	3.678	0.0010	+/-0.500	
Nitrobenzene-d5	48.08	83.7	40 - 110	5.554	5.559	-0.0050	+/-0.500	
Phenol-d6	96.15	20.2	0 - 110	4.582	4.586	-0.0040	+/-0.500	
Terphenyl-d14	48.08	100	50 - 135	12.194	12.199	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	68.5	40 - 125	9.427	9.432	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0594 (1204161-07) ug/L				Lab File ID: 0416107.D		Analyzed: 05/04/12 12:32		
2-Fluorobiphenyl	48.08	79.4	50 - 110	7.658	7.658	0.0000	+/-0.500	
2-Fluorophenol	96.15	33.4	20 - 110	3.683	3.678	0.0050	+/-0.500	
Nitrobenzene-d5	48.08	80.4	40 - 110	5.553	5.559	-0.0060	+/-0.500	
Phenol-d6	96.15	20.3	0 - 110	4.581	4.586	-0.0050	+/-0.500	
Terphenyl-d14	48.08	97.7	50 - 135	12.193	12.199	-0.0060	+/-0.500	
2,4,6-Tribromophenol	96.15	76.7	40 - 125	9.426	9.432	-0.0060	+/-0.500	
GW0595 (1204161-09) ug/L				Lab File ID: 0416109.D		Analyzed: 05/04/12 13:00		
2-Fluorobiphenyl	47.17	76.3	50 - 110	7.652	7.658	-0.0060	+/-0.500	
2-Fluorophenol	94.34	30.5	20 - 110	3.683	3.678	0.0050	+/-0.500	
Nitrobenzene-d5	47.17	76.5	40 - 110	5.553	5.559	-0.0060	+/-0.500	
Phenol-d6	94.34	18.3	0 - 110	4.581	4.586	-0.0050	+/-0.500	
Terphenyl-d14	47.17	103	50 - 135	12.193	12.199	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	74.8	40 - 125	9.426	9.432	-0.0060	+/-0.500	
GW0530 (1204164-01) ug/L				Lab File ID: 0416401.D		Analyzed: 05/04/12 13:28		
2-Fluorobiphenyl	47.17	79.0	50 - 110	7.652	7.658	-0.0060	+/-0.500	
2-Fluorophenol	94.34	31.6	20 - 110	3.683	3.678	0.0050	+/-0.500	
Nitrobenzene-d5	47.17	76.9	40 - 110	5.553	5.559	-0.0060	+/-0.500	
Phenol-d6	94.34	18.8	0 - 110	4.581	4.586	-0.0050	+/-0.500	
Terphenyl-d14	47.17	105	50 - 135	12.193	12.199	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	72.7	40 - 125	9.426	9.432	-0.0060	+/-0.500	
GW0531 (1204164-03) ug/L				Lab File ID: 0416403.D		Analyzed: 05/04/12 13:56		
2-Fluorobiphenyl	47.17	75.2	50 - 110	7.652	7.658	-0.0060	+/-0.500	
2-Fluorophenol	94.34	30.6	20 - 110	3.683	3.678	0.0050	+/-0.500	
Nitrobenzene-d5	47.17	71.6	40 - 110	5.553	5.559	-0.0060	+/-0.500	
Phenol-d6	94.34	17.7	0 - 110	4.58	4.586	-0.0060	+/-0.500	
Terphenyl-d14	47.17	98.2	50 - 135	12.193	12.199	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	70.4	40 - 125	9.426	9.432	-0.0060	+/-0.500	
GW0532 (1204164-05) ug/L				Lab File ID: 0416405.D		Analyzed: 05/04/12 14:24		
2-Fluorobiphenyl	47.17	78.1	50 - 110	7.656	7.658	-0.0020	+/-0.500	
2-Fluorophenol	94.34	32.6	20 - 110	3.681	3.678	0.0030	+/-0.500	
Nitrobenzene-d5	47.17	73.2	40 - 110	5.551	5.559	-0.0080	+/-0.500	
Phenol-d6	94.34	18.7	0 - 110	4.579	4.586	-0.0070	+/-0.500	
Terphenyl-d14	47.17	99.9	50 - 135	12.191	12.199	-0.0080	+/-0.500	
2,4,6-Tribromophenol	94.34	70.8	40 - 125	9.424	9.432	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0593 (1204164-07) ug/L				Lab File ID: 0416407.D		Analyzed: 05/04/12 14:52		
2-Fluorobiphenyl	48.08	83.0	50 - 110	7.654	7.658	-0.0040	+/-0.500	
2-Fluorophenol	96.15	32.3	20 - 110	3.684	3.678	0.0060	+/-0.500	
Nitrobenzene-d5	48.08	80.9	40 - 110	5.554	5.559	-0.0050	+/-0.500	
Phenol-d6	96.15	19.9	0 - 110	4.582	4.586	-0.0040	+/-0.500	
Terphenyl-d14	48.08	101	50 - 135	12.194	12.199	-0.0050	+/-0.500	
2,4,6-Tribromophenol	96.15	75.2	40 - 125	9.427	9.432	-0.0050	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
		Calibration:	2121007

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13010-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 05/08/12 13:22		
2-Fluorobiphenyl	50.00	115	80 - 120	7.778	7.778	0.0000	+/-0.500	
2-Fluorophenol	100.0	100	80 - 120	3.763	3.763	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	122	80 - 120	5.667	5.667	0.0000	+/-0.500	*
Phenol-d6	100.0	99.2	80 - 120	4.679	4.679	0.0000	+/-0.500	
Terphenyl-d14	50.00	110	80 - 120	12.316	12.316	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	123	80 - 120	9.553	9.553	0.0000	+/-0.500	*
GW0514 (1204161-01RE1) ug/L				Lab File ID: 416101D2.D		Analyzed: 05/08/12 15:39		
2-Fluorobiphenyl	48.54		50 - 110		7.778	-7.7780	+/-0.500	*
2-Fluorophenol	97.09		20 - 110		3.763	-3.7630	+/-0.500	*
Nitrobenzene-d5	48.54		40 - 110		5.667	-5.6670	+/-0.500	*
Phenol-d6	97.09		0 - 110		4.679	-4.6790	+/-0.500	*
Terphenyl-d14	48.54		50 - 135		12.316	-12.3160	+/-0.500	*
2,4,6-Tribromophenol	97.09		40 - 125		9.553	-9.5530	+/-0.500	*

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26007	Laboratory ID:	2D26007-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	40.07	81.8	45 - 110
Acenaphthylene	49.00	40.76	83.2	50 - 105
Acetophenone	50.00	41.76	83.5	50 - 110
Anthracene	49.00	42.72	87.2	55 - 110
Atrazine	50.00	43.69	87.4	70 - 115
Benzaldehyde	50.00	41.36	82.7	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	43.63	89.0	55 - 110
Benzo(a)pyrene	49.00	43.59	89.0	55 - 110
Benzo(b)fluoranthene	49.00	47.06	96.0	45 - 120
Benzo(g,h,i)perylene	49.00	44.36	90.5	40 - 125
Benzoic acid	100.0	26.23	26.2	0 - 125
Benzo(k)fluoranthene	49.00	39.88	81.4	45 - 125
1,1-Biphenyl	50.00	42.10	84.2	50 - 110
4-Bromophenyl-phenylether	49.00	45.07	92.0	50 - 115
Butylbenzylphthalate	49.00	50.79	104	45 - 115
Caprolactam	50.00	10.39	20.8	20 - 110
Carbazole	47.00	39.93	85.0	50 - 115
4-Chloro-3-methylphenol	100.0	79.47	79.5	45 - 110
4-Chloroaniline	47.00	33.39	71.0	15 - 110
Bis(2-chloroethoxy)methane	49.00	41.12	83.9	45 - 105
Bis(2-chloroethyl)ether	49.00	39.09	79.8	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	36.34	74.2	25 - 130
2-Chloronaphthalene	49.00	39.51	80.6	50 - 105
2-Chlorophenol	100.0	71.75	71.8	35 - 105
4-Chlorophenyl phenyl ether	49.00	42.75	87.2	50 - 110
Chrysene	49.00	43.68	89.1	55 - 110
Dibenz(a,h)anthracene	49.00	45.58	93.0	40 - 125
Dibenzofuran	49.00	41.31	84.3	55 - 105
Di-n-butylphthalate	49.00	45.87	93.6	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26007	Laboratory ID:	2D26007-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	46.71	93.4	20 - 110
2,4-Dichlorophenol	100.0	80.08	80.1	40 - 110
Diethylphthalate	49.00	44.13	90.1	40 - 120
2,4-Dimethylphenol	100.0	77.39	77.4	30 - 110
Dimethyl phthalate	49.00	44.13	90.1	25 - 125
4,6-Dinitro-2-methylphenol	100.0	95.10	95.1	40 - 130
2,4-Dinitrophenol	100.0	84.24	84.2	15 - 140
2,4-Dinitrotoluene	49.00	46.91	95.7	50 - 120
2,6-Dinitrotoluene	49.00	44.96	91.7	50 - 115
Di-n-octylphthalate	49.00	49.28	101	35 - 135
1,2-Diphenylhydrazine	47.00	38.29	81.5	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	50.75	104	40 - 125
Fluoranthene	49.00	42.26	86.2	55 - 115
Fluorene	49.00	42.05	85.8	50 - 110
Hexachlorobenzene	49.00	41.05	83.8	50 - 110
Hexachlorobutadiene	49.00	41.04	83.8	25 - 105
Hexachlorocyclopentadiene	49.00	40.80	83.3	10 - 110
Hexachloroethane	49.00	35.73	72.9	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	45.21	92.3	45 - 125
Isophorone	49.00	36.61	74.7	50 - 110
1-Methylnaphthalene	50.00	40.77	81.5	30 - 115
2-Methylnaphthalene	49.00	39.88	81.4	45 - 105
2-Methylphenol	100.0	60.22	60.2	40 - 110
3-Methylphenol/4-Methylphenol	100.0	55.09	55.1	30 - 110
Naphthalene	49.00	38.84	79.3	40 - 100
4-Nitroaniline	47.00	42.00	89.4	35 - 120
3-Nitroaniline	47.00	35.38	75.3	20 - 125
2-Nitroaniline	47.00	42.07	89.5	50 - 115
Nitrobenzene	49.00	38.14	77.8	30 - 110
4-Nitrophenol	100.0	28.19	28.2	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26007	Laboratory ID:	2D26007-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	87.57	87.6	40 - 115
N-Nitrosodiphenylamine	49.00	36.14	73.8	50 - 110
N-Nitroso-di-n-propylamine	49.00	41.09	83.9	35 - 130
Pentachlorophenol	100.0	87.36	87.4	40 - 115
Phenanthrene	49.00	42.52	86.8	50 - 115
Phenol	100.0	26.33	26.3	0 - 115
Pyrene	49.00	43.04	87.8	50 - 130
2,4,6-Trichlorophenol	100.0	85.99	86.0	50 - 115
2,4,5-Trichlorophenol	100.0	88.75	88.7	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D30008	Laboratory ID:	2D30008-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	39.85	81.3	45 - 110
Acenaphthylene	49.00	41.49	84.7	50 - 105
Acetophenone	50.00	48.60	97.2	50 - 110
Anthracene	49.00	48.39	98.7	55 - 110
Atrazine	50.00	50.08	100	70 - 115
Benzaldehyde	50.00	48.18	96.4	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	47.37	96.7	55 - 110
Benzo(a)pyrene	49.00	46.17	94.2	55 - 110
Benzo(b)fluoranthene	49.00	49.09	100	45 - 120
Benzo(g,h,i)perylene	49.00	49.71	101	40 - 125
Benzoic acid	100.0	50.0 U	0	0 - 125
Benzo(k)fluoranthene	49.00	47.44	96.8	45 - 125
1,1-Biphenyl	50.00	47.32	94.6	50 - 110
4-Bromophenyl-phenylether	49.00	50.76	104	50 - 115
Butylbenzylphthalate	49.00	48.27	98.5	45 - 115
Caprolactam	**50.00**	**8.789**	**17.6**	**20 - 110**
Carbazole	47.00	46.55	99.0	50 - 115
4-Chloro-3-methylphenol	100.0	80.19	80.2	45 - 110
4-Chloroaniline	47.00	40.42	86.0	15 - 110
Bis(2-chloroethoxy)methane	49.00	47.92	97.8	45 - 105
Bis(2-chloroethyl)ether	49.00	42.46	86.7	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	43.95	89.7	25 - 130
2-Chloronaphthalene	49.00	38.02	77.6	50 - 105
2-Chlorophenol	100.0	68.44	68.4	35 - 105
4-Chlorophenyl phenyl ether	49.00	47.45	96.8	50 - 110
Chrysene	49.00	51.20	104	55 - 110
Dibenz(a,h)anthracene	49.00	48.94	99.9	40 - 125
Dibenzofuran	49.00	43.02	87.8	55 - 105
Di-n-butylphthalate	49.00	50.20	102	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D30008	Laboratory ID:	2D30008-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	47.90	95.8	20 - 110
2,4-Dichlorophenol	100.0	88.58	88.6	40 - 110
Diethylphthalate	49.00	46.89	95.7	40 - 120
2,4-Dimethylphenol	100.0	86.62	86.6	30 - 110
Dimethyl phthalate	49.00	46.16	94.2	25 - 125
4,6-Dinitro-2-methylphenol	100.0	91.39	91.4	40 - 130
2,4-Dinitrophenol	100.0	43.58	43.6	15 - 140
2,4-Dinitrotoluene	49.00	43.94	89.7	50 - 120
2,6-Dinitrotoluene	49.00	44.90	91.6	50 - 115
Di-n-octylphthalate	49.00	46.47	94.8	35 - 135
1,2-Diphenylhydrazine	47.00	43.32	92.2	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	47.35	96.6	40 - 125
Fluoranthene	49.00	50.28	103	55 - 115
Fluorene	49.00	45.05	91.9	50 - 110
Hexachlorobenzene	49.00	49.68	101	50 - 110
Hexachlorobutadiene	49.00	34.02	69.4	25 - 105
Hexachlorocyclopentadiene	49.00	27.77	56.7	10 - 110
Hexachloroethane	49.00	28.30	57.8	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	49.10	100	45 - 125
Isophorone	49.00	41.76	85.2	50 - 110
1-Methylnaphthalene	50.00	38.36	76.7	30 - 115
2-Methylnaphthalene	49.00	35.71	72.9	45 - 105
2-Methylphenol	100.0	54.58	54.6	40 - 110
3-Methylphenol/4-Methylphenol	100.0	49.88	49.9	30 - 110
Naphthalene	49.00	37.17	75.9	40 - 100
4-Nitroaniline	47.00	43.28	92.1	35 - 120
3-Nitroaniline	47.00	37.64	80.1	20 - 125
2-Nitroaniline	47.00	46.88	99.7	50 - 115
Nitrobenzene	49.00	43.97	89.7	30 - 110
4-Nitrophenol	100.0	25.08	25.1	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D30008	Laboratory ID:	2D30008-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	92.54	92.5	40 - 115
N-Nitrosodiphenylamine	49.00	38.52	78.6	50 - 110
N-Nitroso-di-n-propylamine	49.00	46.64	95.2	35 - 130
Pentachlorophenol	100.0	105.8	106	40 - 115
Phenanthrene	49.00	49.87	102	50 - 115
Phenol	100.0	22.39	22.4	0 - 115
Pyrene	49.00	47.18	96.3	50 - 130
2,4,6-Trichlorophenol	100.0	95.38	95.4	50 - 115
2,4,5-Trichlorophenol	100.0	97.73	97.7	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	40.49	82.6	1.60	30	45 - 110
Acenaphthylene	49.00	42.02	85.7	1.25	30	50 - 105
Acetophenone	50.00	43.46	86.9	11.2	30	50 - 110
Anthracene	49.00	47.73	97.4	1.36	30	55 - 110
Atrazine	50.00	50.06	100	0.0262	30	70 - 115
Benzaldehyde	50.00	42.21	84.4	13.2	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	49.00	50.42	103	6.24	30	55 - 110
Benzo(a)pyrene	49.00	48.12	98.2	4.16	30	55 - 110
Benzo(b)fluoranthene	49.00	51.44	105	4.66	30	45 - 120
Benzo(g,h,i)perylene	49.00	50.40	103	1.38	30	40 - 125
Benzoic acid	100.0	50.0 U	0		30	0 - 125
Benzo(k)fluoranthene	49.00	49.32	101	3.87	30	45 - 125
1,1-Biphenyl	50.00	44.39	88.8	6.40	30	50 - 110
4-Bromophenyl-phenylether	49.00	52.86	108	4.05	30	50 - 115
Butylbenzylphthalate	49.00	52.28	107	7.98	30	45 - 115
Caprolactam	**50.00**	**8.471**	**16.9 ***	**3.69**	**30**	**20 - 110**
Carbazole	47.00	48.78	104	4.67	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D30008	Laboratory ID:	2D30008-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	80.14	80.1	0.0631	30	45 - 110
4-Chloroaniline	47.00	34.28	72.9	16.4	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	40.94	83.6	15.7	30	45 - 105
Bis(2-chloroethyl)ether	49.00	37.27	76.1	13.0	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	39.53	80.7	10.6	30	25 - 130
2-Chloronaphthalene	49.00	39.48	80.6	3.76	30	50 - 105
2-Chlorophenol	100.0	60.98	61.0	11.5	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	48.71	99.4	2.62	30	50 - 110
Chrysene	49.00	53.18	109	3.78	30	55 - 110
Dibenz(a,h)anthracene	49.00	50.37	103	2.87	30	40 - 125
Dibenzofuran	49.00	45.43	92.7	5.44	30	55 - 105
Di-n-butylphthalate	49.00	53.62	109	6.59	30	55 - 115
3,3'-Dichlorobenzidine	50.00	49.81	99.6	3.91	30	20 - 110
2,4-Dichlorophenol	100.0	79.06	79.1	11.4	30	40 - 110
Diethylphthalate	49.00	51.89	106	10.1	30	40 - 120
2,4-Dimethylphenol	100.0	76.41	76.4	12.5	30	30 - 110
Dimethyl phthalate	49.00	50.46	103	8.89	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	98.82	98.8	7.81	30	40 - 130
2,4-Dinitrophenol	100.0	67.31	67.3	42.8 *	30	15 - 140
2,4-Dinitrotoluene	49.00	49.05	100	11.0	30	50 - 120
2,6-Dinitrotoluene	49.00	47.43	96.8	5.49	30	50 - 115
Di-n-octylphthalate	49.00	49.22	100	5.73	30	35 - 135
1,2-Diphenylhydrazine	47.00	44.31	94.3	2.26	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	50.63	103	6.71	30	40 - 125
Fluoranthene	49.00	50.86	104	1.16	30	55 - 115
Fluorene	49.00	46.60	95.1	3.37	30	50 - 110
Hexachlorobenzene	49.00	51.08	104	2.79	30	50 - 110
Hexachlorobutadiene	49.00	33.43	68.2	1.73	30	25 - 105
Hexachlorocyclopentadiene	49.00	30.32	61.9	8.77	30	10 - 110
Hexachloroethane	49.00	27.28	55.7	3.66	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D30008	Laboratory ID:	2D30008-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	50.92	104	3.63	30	45 - 125
Isophorone	49.00	37.10	75.7	11.8	30	50 - 110
1-Methylnaphthalene	50.00	37.54	75.1	2.15	30	30 - 115
2-Methylnaphthalene	49.00	35.53	72.5	0.496	30	45 - 105
2-Methylphenol	100.0	48.43	48.4	11.9	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	46.04	46.0	8.00	30	30 - 110
Naphthalene	49.00	35.27	72.0	5.25	30	40 - 100
4-Nitroaniline	47.00	47.95	102	10.3	30	35 - 120
3-Nitroaniline	47.00	40.08	85.3	6.30	30	20 - 125
2-Nitroaniline	47.00	48.90	104	4.22	30	50 - 115
Nitrobenzene	49.00	38.94	79.5	12.1	30	30 - 110
4-Nitrophenol	100.0	29.40	29.4	15.9	30	0 - 125
2-Nitrophenol	100.0	83.20	83.2	10.6	30	40 - 115
N-Nitrosodiphenylamine	49.00	40.99	83.7	6.21	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	42.56	86.9	9.15	30	35 - 130
Pentachlorophenol	100.0	112.3	112	5.91	30	40 - 115
Phenanthrene	49.00	51.51	105	3.23	30	50 - 115
Phenol	100.0	19.55	19.5	13.6	30	0 - 115
Pyrene	49.00	49.91	102	5.62	30	50 - 130
2,4,6-Trichlorophenol	100.0	92.53	92.5	3.04	30	50 - 115
2,4,5-Trichlorophenol	100.0	95.83	95.8	1.96	30	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-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	41.24	84.2	45 - 110
Acenaphthylene	49.00	42.55	86.8	50 - 105
Acetophenone	50.00	41.66	83.3	50 - 110
Anthracene	49.00	45.40	92.6	55 - 110
Atrazine	50.00	47.58	95.2	70 - 115
Benzaldehyde	50.00	42.99	86.0	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	49.00	47.87	97.7	55 - 110
Benzo(a)pyrene	49.00	47.06	96.0	55 - 110
Benzo(b)fluoranthene	49.00	50.52	103	45 - 120
Benzo(g,h,i)perylene	49.00	46.93	95.8	40 - 125
Benzoic acid	100.0	20.38	20.4	0 - 125
Benzo(k)fluoranthene	49.00	43.22	88.2	45 - 125
1,1-Biphenyl	50.00	44.22	88.4	50 - 110
4-Bromophenyl-phenylether	49.00	45.12	92.1	50 - 115
Butylbenzylphthalate	**49.00**	**60.68**	**124**	**45 - 115**
Caprolactam	50.00	10.22	20.4	20 - 110
Carbazole	47.00	43.59	92.8	50 - 115
4-Chloro-3-methylphenol	100.0	77.41	77.4	45 - 110
4-Chloroaniline	47.00	36.41	77.5	15 - 110
Bis(2-chloroethoxy)methane	49.00	47.06	96.0	45 - 105
Bis(2-chloroethyl)ether	49.00	43.69	89.2	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	50.14	102	25 - 130
2-Chloronaphthalene	49.00	40.71	83.1	50 - 105
2-Chlorophenol	100.0	70.04	70.0	35 - 105
4-Chlorophenyl phenyl ether	49.00	41.96	85.6	50 - 110
Chrysene	49.00	48.12	98.2	55 - 110
Dibenz(a,h)anthracene	49.00	48.12	98.2	40 - 125
Dibenzofuran	49.00	42.51	86.8	55 - 105
Di-n-butylphthalate	49.00	51.63	105	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-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	49.86	99.7	20 - 110
2,4-Dichlorophenol	100.0	78.85	78.9	40 - 110
Diethylphthalate	49.00	46.78	95.5	40 - 120
2,4-Dimethylphenol	100.0	75.45	75.4	30 - 110
Dimethyl phthalate	49.00	45.76	93.4	25 - 125
4,6-Dinitro-2-methylphenol	100.0	103.1	103	40 - 130
2,4-Dinitrophenol	100.0	87.48	87.5	15 - 140
2,4-Dinitrotoluene	49.00	50.07	102	50 - 120
2,6-Dinitrotoluene	49.00	45.61	93.1	50 - 115
Di-n-octylphthalate	49.00	58.38	119	35 - 135
1,2-Diphenylhydrazine	47.00	45.58	97.0	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	59.78	122	40 - 125
Fluoranthene	49.00	45.79	93.5	55 - 115
Fluorene	49.00	43.27	88.3	50 - 110
Hexachlorobenzene	49.00	41.96	85.6	50 - 110
Hexachlorobutadiene	49.00	31.27	63.8	25 - 105
Hexachlorocyclopentadiene	49.00	32.69	66.7	10 - 110
Hexachloroethane	49.00	30.28	61.8	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	48.48	98.9	45 - 125
Isophorone	49.00	40.12	81.9	50 - 110
1-Methylnaphthalene	50.00	40.15	80.3	30 - 115
2-Methylnaphthalene	49.00	38.48	78.5	45 - 105
2-Methylphenol	100.0	56.46	56.5	40 - 110
3-Methylphenol/4-Methylphenol	100.0	50.75	50.7	30 - 110
Naphthalene	49.00	38.29	78.2	40 - 100
4-Nitroaniline	47.00	47.34	101	35 - 120
3-Nitroaniline	47.00	41.18	87.6	20 - 125
2-Nitroaniline	47.00	51.75	110	50 - 115
Nitrobenzene	49.00	39.88	81.4	30 - 110
4-Nitrophenol	100.0	29.27	29.3	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-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	90.01	90.0	40 - 115
N-Nitrosodiphenylamine	49.00	38.57	78.7	50 - 110
N-Nitroso-di-n-propylamine	49.00	44.11	90.0	35 - 130
Pentachlorophenol	100.0	90.60	90.6	40 - 115
Phenanthrene	49.00	45.58	93.0	50 - 115
Phenol	100.0	24.44	24.4	0 - 115
Pyrene	49.00	48.11	98.2	50 - 130
2,4,6-Trichlorophenol	100.0	90.03	90.0	50 - 115
2,4,5-Trichlorophenol	100.0	92.81	92.8	50 - 110

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	38.43	78.4	7.04	30	45 - 110
Acenaphthylene	49.00	39.26	80.1	8.07	30	50 - 105
Acetophenone	50.00	37.70	75.4	9.97	30	50 - 110
Anthracene	49.00	43.61	89.0	4.02	30	55 - 110
Atrazine	50.00	45.85	91.7	3.71	30	70 - 115
Benzaldehyde	50.00	38.67	77.3	10.6	30	10 - 180
Benzidine	50.00	50.0 U	0		30	0 - 200
Benzo(a)anthracene	49.00	46.27	94.4	3.38	30	55 - 110
Benzo(a)pyrene	49.00	45.31	92.5	3.80	30	55 - 110
Benzo(b)fluoranthene	49.00	47.69	97.3	5.77	30	45 - 120
Benzo(g,h,i)perylene	49.00	45.55	93.0	2.98	30	40 - 125
Benzoic acid	100.0	19.86	19.9	2.58	30	0 - 125
Benzo(k)fluoranthene	49.00	43.44	88.6	0.497	30	45 - 125
1,1-Biphenyl	50.00	40.73	81.5	8.22	30	50 - 110
4-Bromophenyl-phenylether	49.00	43.58	88.9	3.47	30	50 - 115
Butylbenzylphthalate	**49.00**	**57.19**	**117 ***	**5.92**	**30**	**45 - 115**
Caprolactam	50.00	10.18	20.4	0.311	30	20 - 110
Carbazole	47.00	42.00	89.4	3.73	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-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	71.16	71.2	8.41	30	45 - 110
4-Chloroaniline	47.00	32.63	69.4	11.0	30	15 - 110
Bis(2-chloroethoxy)methane	49.00	41.48	84.7	12.6	30	45 - 105
Bis(2-chloroethyl)ether	49.00	38.91	79.4	11.6	30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	44.94	91.7	10.9	30	25 - 130
2-Chloronaphthalene	49.00	36.99	75.5	9.57	30	50 - 105
2-Chlorophenol	100.0	60.33	60.3	14.9	30	35 - 105
4-Chlorophenyl phenyl ether	49.00	39.55	80.7	5.91	30	50 - 110
Chrysene	49.00	46.10	94.1	4.29	30	55 - 110
Dibenz(a,h)anthracene	49.00	46.56	95.0	3.30	30	40 - 125
Dibenzofuran	49.00	39.25	80.1	7.99	30	55 - 105
Di-n-butylphthalate	49.00	49.47	101	4.27	30	55 - 115
3,3'-Dichlorobenzidine	50.00	48.43	96.9	2.92	30	20 - 110
2,4-Dichlorophenol	100.0	67.39	67.4	15.7	30	40 - 110
Diethylphthalate	49.00	45.22	92.3	3.40	30	40 - 120
2,4-Dimethylphenol	100.0	66.42	66.4	12.7	30	30 - 110
Dimethyl phthalate	49.00	43.91	89.6	4.11	30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	86.08	86.1	18.0	30	40 - 130
2,4-Dinitrophenol	100.0	72.47	72.5	18.8	30	15 - 140
2,4-Dinitrotoluene	49.00	47.79	97.5	4.65	30	50 - 120
2,6-Dinitrotoluene	49.00	44.39	90.6	2.72	30	50 - 115
Di-n-octylphthalate	49.00	56.74	116	2.86	30	35 - 135
1,2-Diphenylhydrazine	47.00	43.15	91.8	5.47	30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	56.30	115	6.00	30	40 - 125
Fluoranthene	49.00	43.61	89.0	4.88	30	55 - 115
Fluorene	49.00	41.06	83.8	5.25	30	50 - 110
Hexachlorobenzene	49.00	40.50	82.7	3.53	30	50 - 110
Hexachlorobutadiene	49.00	27.79	56.7	11.8	30	25 - 105
Hexachlorocyclopentadiene	49.00	27.98	57.1	15.5	30	10 - 110
Hexachloroethane	49.00	26.90	54.9	11.8	30	30 - 95

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01006	Laboratory ID:	2E01006-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	46.92	95.7	3.28	30	45 - 125
Isophorone	49.00	35.77	73.0	11.4	30	50 - 110
1-Methylnaphthalene	50.00	35.26	70.5	13.0	30	30 - 115
2-Methylnaphthalene	49.00	34.00	69.4	12.4	30	45 - 105
2-Methylphenol	100.0	50.48	50.5	11.2	30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	45.70	45.7	10.5	30	30 - 110
Naphthalene	49.00	33.67	68.7	12.9	30	40 - 100
4-Nitroaniline	47.00	45.35	96.5	4.29	30	35 - 120
3-Nitroaniline	47.00	39.05	83.1	5.30	30	20 - 125
2-Nitroaniline	47.00	48.13	102	7.24	30	50 - 115
Nitrobenzene	49.00	35.41	72.3	11.9	30	30 - 110
4-Nitrophenol	100.0	25.51	25.5	13.7	30	0 - 125
2-Nitrophenol	100.0	76.89	76.9	15.7	30	40 - 115
N-Nitrosodiphenylamine	49.00	37.29	76.1	3.37	30	50 - 110
N-Nitroso-di-n-propylamine	49.00	39.04	79.7	12.2	30	35 - 130
Pentachlorophenol	100.0	77.35	77.4	15.8	30	40 - 115
Phenanthrene	49.00	43.70	89.2	4.22	30	50 - 115
Phenol	100.0	22.66	22.7	7.58	30	0 - 115
Pyrene	49.00	45.71	93.3	5.13	30	50 - 130
2,4,6-Trichlorophenol	100.0	75.61	75.6	17.4	30	50 - 115
2,4,5-Trichlorophenol	100.0	81.87	81.9	12.5	30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26007

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	47.12	ND	36.27	77.0		45 - 110
Acenaphthylene	47.12	ND	37.28	79.1		50 - 105
Acetophenone	48.08	ND	36.78	76.5		50 - 110
Anthracene	47.12	ND	39.16	83.1		55 - 110
Atrazine	48.08	ND	41.02	85.3		70 - 115
Benzaldehyde	48.08	ND	35.90	74.7		10 - 180
Benzidine	48.08	ND	48.1 U	0		0 - 200
Benzo(a)anthracene	47.12	ND	40.62	86.2		55 - 110
Benzo(a)pyrene	47.12	ND	39.79	84.4		55 - 110
Benzo(b)fluoranthene	47.12	ND	41.57	88.2		45 - 120
Benzo(g,h,i)perylene	47.12	ND	40.62	86.2		40 - 125
Benzoic acid	96.15	ND	26.66	27.7		0 - 125
Benzo(k)fluoranthene	47.12	ND	37.48	79.5		45 - 125
1,1-Biphenyl	48.08	ND	37.83	78.7		50 - 110
4-Bromophenyl-phenylether	47.12	ND	40.67	86.3		50 - 115
Butylbenzylphthalate	47.12	ND	48.96	104		45 - 115
Caprolactam	48.08	ND	9.772	20.3		20 - 110
Carbazole	45.19	ND	36.97	81.8		50 - 115
4-Chloro-3-methylphenol	96.15	ND	74.07	77.0		45 - 110
4-Chloroaniline	45.19	ND	30.88	68.3		15 - 110
Bis(2-chloroethoxy)methane	47.12	ND	37.80	80.2		45 - 105
Bis(2-chloroethyl)ether	47.12	ND	34.01	72.2		35 - 110
2,2'-Oxybis-1-chloropropane	47.12	ND	32.06	68.0		25 - 130
2-Chloronaphthalene	47.12	ND	35.91	76.2		50 - 105
2-Chlorophenol	96.15	ND	61.66	64.1		35 - 105
4-Chlorophenyl phenyl ether	47.12	ND	39.00	82.8		50 - 110
Chrysene	47.12	ND	40.89	86.8		55 - 110
Dibenz(a,h)anthracene	47.12	ND	42.02	89.2		40 - 125
Dibenzofuran	47.12	ND	37.43	79.4		55 - 105
Di-n-butylphthalate	47.12	ND	42.75	90.7		55 - 115
3,3'-Dichlorobenzidine	48.08	ND	43.89	91.3		20 - 110
2,4-Dichlorophenol	96.15	ND	73.00	75.9		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26007

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	47.12	ND	40.25	85.4		40 - 120
2,4-Dimethylphenol	96.15	ND	69.57	72.4		30 - 110
Dimethyl phthalate	47.12	ND	40.78	86.6		25 - 125
4,6-Dinitro-2-methylphenol	96.15	ND	89.07	92.6		40 - 130
2,4-Dinitrophenol	96.15	ND	81.73	85.0		15 - 140
2,4-Dinitrotoluene	47.12	ND	43.67	92.7		50 - 120
2,6-Dinitrotoluene	47.12	ND	41.23	87.5		50 - 115
Di-n-octylphthalate	47.12	ND	46.80	99.3		35 - 135
1,2-Diphenylhydrazine	45.19	ND	35.24	78.0		55 - 115
Bis(2-ethylhexyl)phthalate	47.12	ND	48.96	104		40 - 125
Fluoranthene	47.12	ND	39.03	82.8		55 - 115
Fluorene	47.12	ND	38.32	81.3		50 - 110
Hexachlorobenzene	47.12	ND	38.58	81.9		50 - 110
Hexachlorobutadiene	47.12	ND	36.01	76.4		25 - 105
Hexachlorocyclopentadiene	47.12	ND	36.82	78.1		10 - 110
Hexachloroethane	47.12	ND	29.98	63.6		30 - 95
Indeno(1,2,3-cd)pyrene	47.12	ND	42.07	89.3		45 - 125
Isophorone	47.12	ND	34.47	73.2		50 - 110
1-Methylnaphthalene	48.08	ND	37.71	78.4		30 - 115
2-Methylnaphthalene	47.12	ND	36.62	77.7		45 - 105
2-Methylphenol	96.15	ND	52.33	54.4		40 - 110
3-Methylphenol/4-Methylphenol	96.15	ND	48.48	50.4		30 - 110
Naphthalene	47.12	ND	35.30	74.9		40 - 100
4-Nitroaniline	45.19	ND	39.84	88.1		35 - 120
3-Nitroaniline	45.19	ND	33.16	73.4		20 - 125
2-Nitroaniline	45.19	ND	39.71	87.9		50 - 115
Nitrobenzene	47.12	ND	33.99	72.1		30 - 110
4-Nitrophenol	96.15	ND	27.61	28.7		0 - 125
2-Nitrophenol	96.15	ND	80.82	84.0		40 - 115
N-Nitrosodiphenylamine	47.12	ND	32.71	69.4		50 - 110
N-Nitroso-di-n-propylamine	47.12	ND	36.52	77.5		35 - 130
Pentachlorophenol	96.15	ND	81.59	84.9		40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26007

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	47.12	ND	38.83	82.4		50 - 115
Phenol	96.15	ND	22.81	23.7		0 - 115
Pyrene	47.12	ND	40.26	85.4		50 - 130
2,4,6-Trichlorophenol	96.15	ND	78.12	81.2		50 - 115
2,4,5-Trichlorophenol	96.15	ND	81.93	85.2		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26007

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	49.00	35.47	72.4	2.23		30	45 - 110
Acenaphthylene	49.00	36.46	74.4	2.24		30	50 - 105
Acetophenone	50.00	34.86	69.7	5.35		30	50 - 110
Anthracene	49.00	37.86	77.3	3.39		30	55 - 110
Atrazine	50.00	39.42	78.8	3.97		30	70 - 115
Benzaldehyde	50.00	33.85	67.7	5.87		30	10 - 180
Benzidine	50.00	50.0 U	0			30	0 - 200
Benzo(a)anthracene	49.00	39.54	80.7	2.70		30	55 - 110
Benzo(a)pyrene	49.00	39.46	80.5	0.813		30	55 - 110
Benzo(b)fluoranthene	49.00	42.12	86.0	1.32		30	45 - 120
Benzo(g,h,i)perylene	49.00	40.19	82.0	1.07		30	40 - 125
Benzoic acid	100.0	21.53	21.5	21.3		30	0 - 125
Benzo(k)fluoranthene	49.00	36.25	74.0	3.32		30	45 - 125
1,1-Biphenyl	50.00	36.59	73.2	3.35		30	50 - 110
4-Bromophenyl-phenylether	49.00	39.68	81.0	2.48		30	50 - 115
Butylbenzylphthalate	49.00	47.29	96.5	3.46		30	45 - 115
Caprolactam	50.00	9.339	18.7	4.53	*	30	20 - 110
Carbazole	47.00	35.87	76.3	3.00		30	50 - 115
4-Chloro-3-methylphenol	100.0	71.22	71.2	3.92		30	45 - 110
4-Chloroaniline	47.00	29.20	62.1	5.61		30	15 - 110
Bis(2-chloroethoxy)methane	49.00	35.87	73.2	5.23		30	45 - 105
Bis(2-chloroethyl)ether	49.00	31.76	64.8	6.85		30	35 - 110
2,2'-Oxybis-1-chloropropane	49.00	30.23	61.7	5.88		30	25 - 130
2-Chloronaphthalene	49.00	34.89	71.2	2.88		30	50 - 105
2-Chlorophenol	100.0	58.14	58.1	5.88		30	35 - 105
4-Chlorophenyl phenyl ether	49.00	38.20	78.0	2.07		30	50 - 110
Chrysene	49.00	39.76	81.1	2.80		30	55 - 110
Dibenz(a,h)anthracene	49.00	39.98	81.6	5.00		30	40 - 125
Dibenzofuran	49.00	36.45	74.4	2.65		30	55 - 105
Di-n-butylphthalate	49.00	41.47	84.6	3.04		30	55 - 115
3,3'-Dichlorobenzidine	50.00	42.42	84.8	3.40		30	20 - 110
2,4-Dichlorophenol	100.0	69.23	69.2	5.30		30	40 - 110
Diethylphthalate	49.00	39.67	81.0	1.47		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26007

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	100.0	65.53	65.5	5.98		30	30 - 110
Dimethyl phthalate	49.00	39.71	81.0	2.65		30	25 - 125
4,6-Dinitro-2-methylphenol	100.0	83.52	83.5	6.42		30	40 - 130
2,4-Dinitrophenol	100.0	77.63	77.6	5.14		30	15 - 140
2,4-Dinitrotoluene	49.00	42.74	87.2	2.14		30	50 - 120
2,6-Dinitrotoluene	49.00	40.61	82.9	1.52		30	50 - 115
Di-n-octylphthalate	49.00	46.05	94.0	1.61		30	35 - 135
1,2-Diphenylhydrazine	47.00	33.97	72.3	3.66		30	55 - 115
Bis(2-ethylhexyl)phthalate	49.00	46.48	94.9	5.20		30	40 - 125
Fluoranthene	49.00	37.78	77.1	3.26		30	55 - 115
Fluorene	49.00	37.38	76.3	2.50		30	50 - 110
Hexachlorobenzene	49.00	37.05	75.6	4.06		30	50 - 110
Hexachlorobutadiene	49.00	34.90	71.2	3.12		30	25 - 105
Hexachlorocyclopentadiene	49.00	34.97	71.4	5.15		30	10 - 110
Hexachloroethane	49.00	29.11	59.4	2.96		30	30 - 95
Indeno(1,2,3-cd)pyrene	49.00	41.08	83.8	2.37		30	45 - 125
Isophorone	49.00	32.69	66.7	5.30		30	50 - 110
1-Methylnaphthalene	50.00	36.03	72.1	4.55		30	30 - 115
2-Methylnaphthalene	49.00	35.24	71.9	3.84		30	45 - 105
2-Methylphenol	100.0	48.85	48.8	6.89		30	40 - 110
3-Methylphenol/4-Methylphenol	100.0	45.09	45.1	7.24		30	30 - 110
Naphthalene	49.00	33.35	68.1	5.69		30	40 - 100
4-Nitroaniline	47.00	38.90	82.8	2.37		30	35 - 120
3-Nitroaniline	47.00	33.15	70.5	0.0398		30	20 - 125
2-Nitroaniline	47.00	37.99	80.8	4.42		30	50 - 115
Nitrobenzene	49.00	32.08	65.5	5.78		30	30 - 110
4-Nitrophenol	100.0	25.03	25.0	9.81		30	0 - 125
2-Nitrophenol	100.0	75.99	76.0	6.16		30	40 - 115
N-Nitrosodiphenylamine	49.00	31.95	65.2	2.33		30	50 - 110
N-Nitroso-di-n-propylamine	49.00	34.72	70.9	5.04		30	35 - 130
Pentachlorophenol	100.0	76.18	76.2	6.86		30	40 - 115
Phenanthrene	49.00	37.88	77.3	2.49		30	50 - 115
Phenol	100.0	21.25	21.2	7.07		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26007

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	49.00	39.25	80.1	2.54		30	50 - 130
2,4,6-Trichlorophenol	100.0	74.90	74.9	4.20		30	50 - 115
2,4,5-Trichlorophenol	100.0	78.89	78.9	3.79		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D26007 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/26/12 13:51	1,060.00	1.00
GW0542	1204127-03	04/26/12 13:51	1,040.00	1.00
GW0620	1204127-05	04/26/12 13:51	1,000.00	1.00
GW0621	1204127-07	04/26/12 13:51	1,070.00	1.00
GW0622	1204127-09	04/26/12 13:51	1,060.00	1.00
GW0540	1204139-01	04/26/12 13:51	1,040.00	1.00
GW0558	1204139-03	04/26/12 13:51	1,040.00	1.00
GW0559	1204139-05	04/26/12 13:51	1,020.00	1.00
GW0566	1204139-07	04/26/12 13:51	1,020.00	1.00
GW0567	1204139-09	04/26/12 13:51	1,000.00	1.00
GW0568	1204139-11	04/26/12 13:51	1,060.00	1.00
GW0619	1204139-13	04/26/12 13:51	1,040.00	1.00
Blank	2D26007-BLK1	04/26/12 13:51	1,000.00	1.00
LCS	2D26007-BS1	04/26/12 13:51	1,000.00	1.00
GW0558	2D26007-MS1	04/26/12 13:51	1,040.00	1.00
GW0558	2D26007-MSD1	04/26/12 13:51	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D30008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0557	1204147-01	04/30/12 14:25	1,010.00	1.00
GW0569	1204147-03	04/30/12 14:25	1,010.00	1.00
GW0571	1204147-05	04/30/12 14:25	1,010.00	1.00
GW0572	1204147-07	04/30/12 14:25	1,010.00	1.00
GW0574	1204147-09	04/30/12 14:25	1,010.00	1.00
GW0575	1204147-11	04/30/12 14:25	1,000.00	1.00
GW0514	1204161-01	04/30/12 14:25	1,030.00	1.00
GW0514	1204161-01RE1	04/30/12 14:25	1,030.00	1.00
GW0573	1204161-05	04/30/12 14:25	1,000.00	1.00
Blank	2D30008-BLK1	04/30/12 14:25	1,000.00	1.00
LCS	2D30008-BS1	04/30/12 14:25	1,000.00	1.00
LCS Dup	2D30008-BSD1	04/30/12 14:25	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E01006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0515	1204161-03	05/02/12 12:28	1,040.00	1.00
GW0594	1204161-07	05/02/12 12:28	1,040.00	1.00
GW0595	1204161-09	05/02/12 12:28	1,060.00	1.00
GW0530	1204164-01	05/02/12 12:28	1,060.00	1.00
GW0531	1204164-03	05/02/12 12:28	1,060.00	1.00
GW0532	1204164-05	05/02/12 12:28	1,060.00	1.00
GW0593	1204164-07	05/02/12 12:28	1,040.00	1.00
Blank	2E01006-BLK1	05/02/12 12:28	1,000.00	1.00
LCS	2E01006-BS1	05/02/12 12:28	1,000.00	1.00
LCS Dup	2E01006-BSD1	05/02/12 12:28	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-BNA3	Injection Time:	12:51
Sequence:	2D12107	Lab Sample ID:	2D12107-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	32.8	PASS
68	Less than 2% of 69	0.143	PASS
69	Less than 200% of 198	37.7	PASS
70	Less than 2% of 69	0.33	PASS
127	40 - 60% of 198	49.4	PASS
197	Less than 1% of 198	0.455	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.74	PASS
275	10 - 30% of 198	27	PASS
365	1 - 200% of 198	3.18	PASS
441	0.001 - 100% of 443	79.6	PASS
442	40 - 200% of 198	110	PASS
443	17 - 23% of 442	19.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-BNA1	Injection Time:	18:06
Sequence:	2D12112	Lab Sample ID:	2D12112-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.5	PASS
68	Less than 2% of 69	1.45	PASS
69	Less than 200% of 198	46.5	PASS
70	Less than 2% of 69	0.984	PASS
127	40 - 60% of 198	42.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.23	PASS
275	10 - 30% of 198	21.8	PASS
365	1 - 200% of 198	3.03	PASS
441	0.001 - 100% of 443	69.1	PASS
442	40 - 200% of 198	114	PASS
443	17 - 23% of 442	20	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	04/28/12
Instrument ID:	MS-BNA3	Injection Time:	10:13
Sequence:	2D12113	Lab Sample ID:	2D12113-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	39.5	PASS
70	Less than 2% of 69	0.662	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	6.52	PASS
275	10 - 30% of 198	26.5	PASS
365	1 - 200% of 198	2.98	PASS
441	0.001 - 100% of 443	79	PASS
442	40 - 200% of 198	85.4	PASS
443	17 - 23% of 442	19.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/01/12
Instrument ID:	MS-BNA1	Injection Time:	15:12
Sequence:	2E12807	Lab Sample ID:	2E12807-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	46.3	PASS
70	Less than 2% of 69	0.788	PASS
127	40 - 60% of 198	42.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.31	PASS
275	10 - 30% of 198	20.5	PASS
365	1 - 200% of 198	2.61	PASS
441	0.001 - 100% of 443	67	PASS
442	40 - 200% of 198	71.3	PASS
443	17 - 23% of 442	20.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/04/12
Instrument ID:	MS-BNA3	Injection Time:	08:27
Sequence:	2E12911	Lab Sample ID:	2E12911-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	42.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	46.8	PASS
70	Less than 2% of 69	1.06	PASS
127	40 - 60% of 198	54.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.1	PASS
275	10 - 30% of 198	21	PASS
365	1 - 200% of 198	1.86	PASS
441	0.001 - 100% of 443	76	PASS
442	40 - 200% of 198	56.4	PASS
443	17 - 23% of 442	19.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	05/08/12
Instrument ID:	MS-BNA1	Injection Time:	11:23
Sequence:	2E13010	Lab Sample ID:	2E13010-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	44.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.6	PASS
70	Less than 2% of 69	0.485	PASS
127	40 - 60% of 198	47.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.09	PASS
275	10 - 30% of 198	18.6	PASS
365	1 - 200% of 198	1.89	PASS
441	0.001 - 100% of 443	70.6	PASS
442	40 - 200% of 198	56.3	PASS
443	17 - 23% of 442	19.4	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D12107-TUN1	SEQ-TUN1.D	04/27/12 12:51
Calibration Check	2D12107-CCV1	SEQ-CCV1.D	04/27/12 13:14
Calibration Check	2D12107-CCV2	SEQ-CCV2.D	04/27/12 13:42
Blank	2D26007-BLK1	D26007B1.D	04/27/12 14:09
GW0541	1204127-01	0412701.D	04/27/12 15:05
GW0542	1204127-03	0412703.D	04/27/12 15:33
GW0620	1204127-05	0412705.D	04/27/12 16:00
GW0621	1204127-07	0412707.D	04/27/12 16:28
GW0622	1204127-09	0412709.D	04/27/12 16:55
GW0540	1204139-01	0413901.D	04/27/12 18:18
GW0558	1204139-03	0413903.D	04/27/12 18:46
GW0558	2D26007-MS1	0413903M.D	04/27/12 19:13
GW0558	2D26007-MSD1	0413903S.D	04/27/12 19:41
GW0559	1204139-05	0413905.D	04/27/12 20:09
GW0566	1204139-07	0413907.D	04/27/12 20:36
GW0567	1204139-09	0413909.D	04/27/12 21:04
GW0568	1204139-11	0413911.D	04/27/12 21:31
GW0619	1204139-13	0413913.D	04/27/12 21:59

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12112	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D12112-TUN1	SEQ-TUN1.D	04/27/12 18:06
Cal Standard	2D12112-CAL1	SEQ-CAL1.D	04/27/12 18:27
Cal Standard	2D12112-CAL2	SEQ-CAL2.D	04/27/12 18:54
Cal Standard	2D12112-CAL3	SEQ-CAL3.D	04/27/12 19:21
Cal Standard	2D12112-CAL4	SEQ-CAL4.D	04/27/12 19:48
Cal Standard	2D12112-CAL5	SEQ-CAL5.D	04/27/12 20:16
Cal Standard	2D12112-CAL6	SEQ-CAL6.D	04/27/12 20:43
Cal Standard	2D12112-CAL7	SEQ-CAL7.D	04/27/12 21:10
Cal Standard	2D12112-CAL8	SEQ-CAL8.D	04/27/12 21:37
Cal Standard	2D12112-CAL9	SEQCAL9.D	04/27/12 22:04
Cal Standard	2D12112-CALA	SEQCALA.D	04/27/12 22:31
Cal Standard	2D12112-CALB	SEQCALB.D	04/27/12 22:58
Cal Standard	2D12112-CALC	SEQCALC.D	04/27/12 23:25
Cal Standard	2D12112-CALD	SEQCALD.D	04/27/12 23:52
Cal Standard	2D12112-CALE	SEQCALE.D	04/28/12 00:19
Cal Standard	2D12112-CALF	SEQCALF.D	04/28/12 00:46
Cal Standard	2D12112-CALG	SEQCALG.D	04/28/12 01:13
Initial Cal Check	2D12112-ICV1	SEQ-ICV1.D	04/28/12 01:40
Initial Cal Check	2D12112-ICV2	SEQ-ICV2.D	04/28/12 02:07

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12113	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2D12113-TUN1	SEQ-TUN1.D	04/28/12 10:13
Calibration Check	2D12113-CCV1	SEQ-CCV1.D	04/28/12 10:37
Calibration Check	2D12113-CCV2	SEQ-CCV2.D	04/28/12 11:04
LCS	2D26007-BS1	D26007L1.D	04/28/12 11:32

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12807	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12807-TUN1	SEQ-TUN1.D	05/01/12 15:12
Calibration Check	2E12807-CCV1	SEQ-CCV1.D	05/01/12 15:36
Calibration Check	2E12807-CCV2	SEQ-CCV2.D	05/01/12 16:04
Blank	2D30008-BLK1	D30008B1.D	05/01/12 16:31
LCS	2D30008-BS1	D30008L1.D	05/01/12 16:59
LCS Dup	2D30008-BSD1	D30008L2.D	05/01/12 17:27
GW0557	1204147-01	0414701.D	05/01/12 17:54
GW0569	1204147-03	0414703D.D	05/01/12 18:22
GW0571	1204147-05	0414705.D	05/01/12 18:49
GW0572	1204147-07	0414707.D	05/01/12 19:17
GW0574	1204147-09	0414709.D	05/01/12 19:44
GW0575	1204147-11	0414711.D	05/01/12 20:11
GW0514	1204161-01	0416101D.D	05/01/12 21:33
GW0573	1204161-05	0416105.D	05/01/12 22:00

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
Calibration:	2069001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E12911-TUN1	SEQ-TUN1.D	05/04/12 08:27
Calibration Check	2E12911-CCV1	SEQ-CCV1.D	05/04/12 08:50
Calibration Check	2E12911-CCV2	SEQ-CCV2.D	05/04/12 09:18
Blank	2E01006-BLK1	E01006B2.D	05/04/12 10:14
LCS	2E01006-BS1	E01006L1.D	05/04/12 10:41
LCS Dup	2E01006-BSD1	E01006L2.D	05/04/12 11:09
GW0515	1204161-03	0416103.D	05/04/12 12:04
GW0594	1204161-07	0416107.D	05/04/12 12:32
GW0595	1204161-09	0416109.D	05/04/12 13:00
GW0530	1204164-01	0416401.D	05/04/12 13:28
GW0531	1204164-03	0416403.D	05/04/12 13:56
GW0532	1204164-05	0416405.D	05/04/12 14:24
GW0593	1204164-07	0416407.D	05/04/12 14:52

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
Calibration:	2121007		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E13010-TUN1	SEQ-TUN1.D	05/08/12 11:23
Calibration Check	2E13010-CCV1	SEQ-CCV1.D	05/08/12 13:22
Calibration Check	2E13010-CCV2	SEQ-CCV2.D	05/08/12 13:49
GW0514	1204161-01RE1	416101D2.D	05/08/12 15:39

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D12107-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/27/12 13:14			
1,4-Dichlorobenzene-d4	658351	4.92	577166	5.052	114	50 - 200	-0.1320	+/-0.50	
Naphthalene-d8	2366944	6.357	2098116	6.494	113	50 - 200	-0.1370	+/-0.50	
Acenaphthene-d10	1321529	8.473	1177105	8.61	112	50 - 200	-0.1370	+/-0.50	
Phenanthrene-d10	2296755	10.241	2031354	10.394	113	50 - 200	-0.1530	+/-0.50	
Chrysene-d12	2263537	13.628	2065587	13.818	110	50 - 200	-0.1900	+/-0.50	
Perylene-d12	2299156	15.877	2102409	16.11	109	50 - 200	-0.2330	+/-0.50	
Calibration Check (2D12107-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 04/27/12 13:42			
1,4-Dichlorobenzene-d4	635056	4.92	658351	4.92	96	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2250479	6.352	2366944	6.357	95	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1293285	8.467	1321529	8.473	98	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2160129	10.241	2296755	10.241	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2112953	13.617	2263537	13.628	93	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2070889	15.872	2299156	15.877	90	50 - 200	-0.0050	+/-0.50	
Blank (2D26007-BLK1)			Lab File ID: D26007B1.D			Analyzed: 04/27/12 14:09			
1,4-Dichlorobenzene-d4	672724	4.918	658351	4.92	102	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2404877	6.355	2366944	6.357	102	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1365993	8.466	1321529	8.473	103	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2270954	10.239	2296755	10.241	99	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2235058	13.621	2263537	13.628	99	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2259890	15.875	2299156	15.877	98	50 - 200	-0.0020	+/-0.50	
GW0541 (1204127-01)			Lab File ID: 0412701.D			Analyzed: 04/27/12 15:05			
1,4-Dichlorobenzene-d4	723090	4.921	658351	4.92	110	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2565644	6.353	2366944	6.357	108	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1457955	8.468	1321529	8.473	110	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2464489	10.242	2296755	10.241	107	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2401841	13.618	2263537	13.628	106	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2428406	15.872	2299156	15.877	106	50 - 200	-0.0050	+/-0.50	
GW0542 (1204127-03)			Lab File ID: 0412703.D			Analyzed: 04/27/12 15:33			
1,4-Dichlorobenzene-d4	718554	4.921	658351	4.92	109	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2599256	6.352	2366944	6.357	110	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1475998	8.468	1321529	8.473	112	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2465219	10.241	2296755	10.241	107	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2377897	13.618	2263537	13.628	105	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2431738	15.877	2299156	15.877	106	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0620 (1204127-05)			Lab File ID: 0412705.D			Analyzed: 04/27/12 16:00			
1,4-Dichlorobenzene-d4	731501	4.918	658351	4.92	111	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2613592	6.355	2366944	6.357	110	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1497333	8.465	1321529	8.473	113	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2510974	10.239	2296755	10.241	109	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2427328	13.621	2263537	13.628	107	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2459252	15.875	2299156	15.877	107	50 - 200	-0.0020	+/-0.50	
GW0621 (1204127-07)			Lab File ID: 0412707.D			Analyzed: 04/27/12 16:28			
1,4-Dichlorobenzene-d4	731894	4.921	658351	4.92	111	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2600486	6.353	2366944	6.357	110	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1485876	8.468	1321529	8.473	112	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2507961	10.242	2296755	10.241	109	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2420751	13.618	2263537	13.628	107	50 - 200	-0.0100	+/-0.50	
Perylene-d12	2489544	15.878	2299156	15.877	108	50 - 200	0.0010	+/-0.50	
GW0622 (1204127-09)			Lab File ID: 0412709.D			Analyzed: 04/27/12 16:55			
1,4-Dichlorobenzene-d4	712869	4.92	658351	4.92	108	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2527349	6.352	2366944	6.357	107	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1435882	8.467	1321529	8.473	109	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2447474	10.241	2296755	10.241	107	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2353919	13.622	2263537	13.628	104	50 - 200	-0.0060	+/-0.50	
Perylene-d12	2417171	15.877	2299156	15.877	105	50 - 200	0.0000	+/-0.50	
GW0540 (1204139-01)			Lab File ID: 0413901.D			Analyzed: 04/27/12 18:18			
1,4-Dichlorobenzene-d4	764660	4.92	658351	4.92	116	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2715303	6.352	2366944	6.357	115	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1558931	8.468	1321529	8.473	118	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2605202	10.241	2296755	10.241	113	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2518623	13.623	2263537	13.628	111	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2593943	15.877	2299156	15.877	113	50 - 200	0.0000	+/-0.50	
GW0558 (1204139-03)			Lab File ID: 0413903.D			Analyzed: 04/27/12 18:46			
1,4-Dichlorobenzene-d4	799339	4.92	658351	4.92	121	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2789556	6.352	2366944	6.357	118	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1605499	8.467	1321529	8.473	121	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2679785	10.241	2296755	10.241	117	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2593669	13.623	2263537	13.628	115	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2647310	15.877	2299156	15.877	115	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2D26007-MS1)			Lab File ID: 0413903M.D			Analyzed: 04/27/12 19:13			
1,4-Dichlorobenzene-d4	716581	4.921	658351	4.92	109	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2553687	6.358	2366944	6.357	108	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1474985	8.468	1321529	8.473	112	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2496368	10.242	2296755	10.241	109	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2439319	13.623	2263537	13.628	108	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2523412	15.878	2299156	15.877	110	50 - 200	0.0010	+/-0.50	
Matrix Spike Dup (2D26007-MSD1)			Lab File ID: 0413903S.D			Analyzed: 04/27/12 19:41			
1,4-Dichlorobenzene-d4	698478	4.917	658351	4.92	106	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2481419	6.354	2366944	6.357	105	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1431602	8.47	1321529	8.473	108	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2439077	10.243	2296755	10.241	106	50 - 200	0.0020	+/-0.50	
Chrysene-d12	2362603	13.625	2263537	13.628	104	50 - 200	-0.0030	+/-0.50	
Perylene-d12	2422842	15.879	2299156	15.877	105	50 - 200	0.0020	+/-0.50	
GW0559 (1204139-05)			Lab File ID: 0413905.D			Analyzed: 04/27/12 20:09			
1,4-Dichlorobenzene-d4	598602	4.918	658351	4.92	91	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2141918	6.355	2366944	6.357	90	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1213323	8.465	1321529	8.473	92	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2044577	10.238	2296755	10.241	89	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1959629	13.62	2263537	13.628	87	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1974789	15.869	2299156	15.877	86	50 - 200	-0.0080	+/-0.50	
GW0566 (1204139-07)			Lab File ID: 0413907.D			Analyzed: 04/27/12 20:36			
1,4-Dichlorobenzene-d4	624193	4.92	658351	4.92	95	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2219365	6.352	2366944	6.357	94	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1251740	8.467	1321529	8.473	95	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2129520	10.241	2296755	10.241	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2052335	13.617	2263537	13.628	91	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2076399	15.872	2299156	15.877	90	50 - 200	-0.0050	+/-0.50	
GW0567 (1204139-09)			Lab File ID: 0413909.D			Analyzed: 04/27/12 21:04			
1,4-Dichlorobenzene-d4	598977	4.917	658351	4.92	91	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2150100	6.354	2366944	6.357	91	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1235719	8.464	1321529	8.473	94	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2065404	10.237	2296755	10.241	90	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	2010234	13.619	2263537	13.628	89	50 - 200	-0.0090	+/-0.50	
Perylene-d12	2013575	15.873	2299156	15.877	88	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12107	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0568 (1204139-11)			Lab File ID: 0413911.D			Analyzed: 04/27/12 21:31			
1,4-Dichlorobenzene-d4	562217	4.92	658351	4.92	85	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2026709	6.352	2366944	6.357	86	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1149694	8.467	1321529	8.473	87	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1945727	10.241	2296755	10.241	85	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1876953	13.617	2263537	13.628	83	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1886383	15.871	2299156	15.877	82	50 - 200	-0.0060	+/-0.50	
GW0619 (1204139-13)			Lab File ID: 0413913.D			Analyzed: 04/27/12 21:59			
1,4-Dichlorobenzene-d4	597428	4.919	658351	4.92	91	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2120790	6.356	2366944	6.357	90	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1206847	8.466	1321529	8.473	91	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2035505	10.239	2296755	10.241	89	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1957226	13.616	2263537	13.628	86	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1981707	15.87	2299156	15.877	86	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12113	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2D12113-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 04/28/12 10:37			
1,4-Dichlorobenzene-d4	667533	4.922	577166	5.052	116	50 - 200	-0.1300	+/-0.50	
Naphthalene-d8	2403552	6.359	2098116	6.494	115	50 - 200	-0.1350	+/-0.50	
Acenaphthene-d10	1381629	8.469	1177105	8.61	117	50 - 200	-0.1410	+/-0.50	
Phenanthrene-d10	2375566	10.242	2031354	10.394	117	50 - 200	-0.1520	+/-0.50	
Chrysene-d12	2332227	13.624	2065587	13.818	113	50 - 200	-0.1940	+/-0.50	
Perylene-d12	2401121	15.878	2102409	16.11	114	50 - 200	-0.2320	+/-0.50	
Calibration Check (2D12113-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 04/28/12 11:04			
1,4-Dichlorobenzene-d4	642743	4.92	667533	4.922	96	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2297881	6.352	2403552	6.359	96	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1303132	8.467	1381629	8.469	94	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2176061	10.241	2375566	10.242	92	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2128071	13.617	2332227	13.624	91	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2099493	15.872	2401121	15.878	87	50 - 200	-0.0060	+/-0.50	
LCS (2D26007-BS1)			Lab File ID: D26007L1.D			Analyzed: 04/28/12 11:32			
1,4-Dichlorobenzene-d4	582733	4.917	667533	4.922	87	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2120418	6.354	2403552	6.359	88	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1197504	8.464	1381629	8.469	87	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2021286	10.243	2375566	10.242	85	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2016472	13.625	2332227	13.624	86	50 - 200	0.0010	+/-0.50	
Perylene-d12	2067791	15.874	2401121	15.878	86	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12807	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12807-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/01/12 15:36			
1,4-Dichlorobenzene-d4	551687	5.033	596380	5.022	93	50 - 200	0.0110	+/-0.50	
Naphthalene-d8	2123573	6.471	2345527	6.469	91	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1029101	8.592	1111180	8.595	93	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1731926	10.361	1923005	10.364	90	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1601837	13.752	1738806	13.763	92	50 - 200	-0.0110	+/-0.50	
Perylene-d12	1604431	16.013	1691980	16.02	95	50 - 200	-0.0070	+/-0.50	
Calibration Check (2E12807-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/01/12 16:04			
1,4-Dichlorobenzene-d4	515823	5.03	551687	5.033	93	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1971248	6.473	2123573	6.471	93	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	975772	8.591	1029101	8.592	95	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1598655	10.367	1731926	10.361	92	50 - 200	0.0060	+/-0.50	
Chrysene-d12	1536890	13.752	1601837	13.752	96	50 - 200	0.0000	+/-0.50	
Perylene-d12	1535237	16.01	1604431	16.013	96	50 - 200	-0.0030	+/-0.50	
Blank (2D30008-BLK1)			Lab File ID: D30008B1.D			Analyzed: 05/01/12 16:31			
1,4-Dichlorobenzene-d4	527744	5.031	551687	5.033	96	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1956175	6.474	2123573	6.471	92	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	960509	8.59	1029101	8.592	93	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1645543	10.367	1731926	10.361	95	50 - 200	0.0060	+/-0.50	
Chrysene-d12	1595351	13.751	1601837	13.752	100	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1566162	16.011	1604431	16.013	98	50 - 200	-0.0020	+/-0.50	
LCS (2D30008-BS1)			Lab File ID: D30008L1.D			Analyzed: 05/01/12 16:59			
1,4-Dichlorobenzene-d4	482821	5.031	551687	5.033	88	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1809215	6.468	2123573	6.471	85	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	903675	8.587	1029101	8.592	88	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1484960	10.369	1731926	10.361	86	50 - 200	0.0080	+/-0.50	
Chrysene-d12	1414288	13.753	1601837	13.752	88	50 - 200	0.0010	+/-0.50	
Perylene-d12	1402694	16.01	1604431	16.013	87	50 - 200	-0.0030	+/-0.50	
LCS Dup (2D30008-BSD1)			Lab File ID: D30008L2.D			Analyzed: 05/01/12 17:27			
1,4-Dichlorobenzene-d4	471765	5.022	551687	5.033	86	50 - 200	-0.0110	+/-0.50	
Naphthalene-d8	1821452	6.469	2123573	6.471	86	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	867907	8.586	1029101	8.592	84	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1487776	10.369	1731926	10.361	86	50 - 200	0.0080	+/-0.50	
Chrysene-d12	1412716	13.752	1601837	13.752	88	50 - 200	0.0000	+/-0.50	
Perylene-d12	1416513	16.011	1604431	16.013	88	50 - 200	-0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12807	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0557 (1204147-01)			Lab File ID: 0414701.D			Analyzed: 05/01/12 17:54			
1,4-Dichlorobenzene-d4	492228	5.031	551687	5.033	89	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1813153	6.465	2123573	6.471	85	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	923898	8.584	1029101	8.592	90	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1524527	10.361	1731926	10.361	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1490544	13.75	1601837	13.752	93	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1450737	16.015	1604431	16.013	90	50 - 200	0.0020	+/-0.50	
GW0569 (1204147-03)			Lab File ID: 0414703D.D			Analyzed: 05/01/12 18:22			
1,4-Dichlorobenzene-d4	545998	5.023	551687	5.033	99	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2086801	6.473	2123573	6.471	98	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1032457	8.585	1029101	8.592	100	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1721944	10.361	1731926	10.361	99	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1623442	13.753	1601837	13.752	101	50 - 200	0.0010	+/-0.50	
Perylene-d12	1635282	16.017	1604431	16.013	102	50 - 200	0.0040	+/-0.50	
GW0571 (1204147-05)			Lab File ID: 0414705.D			Analyzed: 05/01/12 18:49			
1,4-Dichlorobenzene-d4	554635	5.027	551687	5.033	101	50 - 200	-0.0060	+/-0.50	
Naphthalene-d8	2144675	6.474	2123573	6.471	101	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1015486	8.593	1029101	8.592	99	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	1731303	10.361	1731926	10.361	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1647934	13.746	1601837	13.752	103	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1627583	16.015	1604431	16.013	101	50 - 200	0.0020	+/-0.50	
GW0572 (1204147-07)			Lab File ID: 0414707.D			Analyzed: 05/01/12 19:17			
1,4-Dichlorobenzene-d4	541275	5.031	551687	5.033	98	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2082429	6.466	2123573	6.471	98	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1001771	8.583	1029101	8.592	97	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1692830	10.36	1731926	10.361	98	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1586442	13.752	1601837	13.752	99	50 - 200	0.0000	+/-0.50	
Perylene-d12	1607374	16.01	1604431	16.013	100	50 - 200	-0.0030	+/-0.50	
GW0574 (1204147-09)			Lab File ID: 0414709.D			Analyzed: 05/01/12 19:44			
1,4-Dichlorobenzene-d4	586305	5.031	551687	5.033	106	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2154761	6.466	2123573	6.471	101	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1064010	8.584	1029101	8.592	103	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1763008	10.359	1731926	10.361	102	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1736001	13.749	1601837	13.752	108	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1708302	16.009	1604431	16.013	106	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12807	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0575 (1204147-11)			Lab File ID: 0414711.D			Analyzed: 05/01/12 20:11			
1,4-Dichlorobenzene-d4	559315	5.023	551687	5.033	101	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	2118691	6.468	2123573	6.471	100	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1020676	8.589	1029101	8.592	99	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1764877	10.362	1731926	10.361	102	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1715110	13.749	1601837	13.752	107	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1679903	16.014	1604431	16.013	105	50 - 200	0.0010	+/-0.50	
GW0514 (1204161-01)			Lab File ID: 0416101D.D			Analyzed: 05/01/12 21:33			
1,4-Dichlorobenzene-d4	621726	5.024	551687	5.033	113	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	2485715	6.474	2123573	6.471	117	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1199766	8.592	1029101	8.592	117	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1967815	10.359	1731926	10.361	114	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1853543	13.751	1601837	13.752	116	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1879907	16.014	1604431	16.013	117	50 - 200	0.0010	+/-0.50	
GW0573 (1204161-05)			Lab File ID: 0416105.D			Analyzed: 05/01/12 22:00			
1,4-Dichlorobenzene-d4	576509	5.026	551687	5.033	104	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2190352	6.465	2123573	6.471	103	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1081619	8.584	1029101	8.592	105	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1772996	10.359	1731926	10.361	102	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1682955	13.749	1601837	13.752	105	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1721145	16.01	1604431	16.013	107	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E12911-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/04/12 08:50			
1,4-Dichlorobenzene-d4	533195	4.917	577166	5.052	92	50 - 200	-0.1350	+/-0.50	
Naphthalene-d8	1935302	6.355	2098116	6.494	92	50 - 200	-0.1390	+/-0.50	
Acenaphthene-d10	1047783	8.47	1177105	8.61	89	50 - 200	-0.1400	+/-0.50	
Phenanthrene-d10	1748421	10.238	2031354	10.394	86	50 - 200	-0.1560	+/-0.50	
Chrysene-d12	1675167	13.62	2065587	13.818	81	50 - 200	-0.1980	+/-0.50	
Perylene-d12	1665875	15.874	2102409	16.11	79	50 - 200	-0.2360	+/-0.50	
Calibration Check (2E12911-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/04/12 09:18			
1,4-Dichlorobenzene-d4	539284	4.918	533195	4.917	101	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1937279	6.35	1935302	6.355	100	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1041380	8.46	1047783	8.47	99	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1720452	10.239	1748421	10.238	98	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1628297	13.615	1675167	13.62	97	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1576640	15.87	1665875	15.874	95	50 - 200	-0.0040	+/-0.50	
Blank (2E01006-BLK1)			Lab File ID: E01006B2.D			Analyzed: 05/04/12 10:14			
1,4-Dichlorobenzene-d4	502402	4.918	533195	4.917	94	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1821457	6.35	1935302	6.355	94	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	964429	8.466	1047783	8.47	92	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1595197	10.239	1748421	10.238	91	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1480548	13.615	1675167	13.62	88	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1462065	15.87	1665875	15.874	88	50 - 200	-0.0040	+/-0.50	
LCS (2E01006-BS1)			Lab File ID: E01006L1.D			Analyzed: 05/04/12 10:41			
1,4-Dichlorobenzene-d4	575185	4.921	533195	4.917	108	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2028357	6.352	1935302	6.355	105	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1085609	8.468	1047783	8.47	104	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1800705	10.241	1748421	10.238	103	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1740537	13.623	1675167	13.62	104	50 - 200	0.0030	+/-0.50	
Perylene-d12	1790129	15.872	1665875	15.874	107	50 - 200	-0.0020	+/-0.50	
LCS Dup (2E01006-BSD1)			Lab File ID: E01006L2.D			Analyzed: 05/04/12 11:09			
1,4-Dichlorobenzene-d4	529942	4.92	533195	4.917	99	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1893499	6.352	1935302	6.355	98	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1005849	8.462	1047783	8.47	96	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1650588	10.241	1748421	10.238	94	50 - 200	0.0030	+/-0.50	
Chrysene-d12	1591549	13.623	1675167	13.62	95	50 - 200	0.0030	+/-0.50	
Perylene-d12	1604203	15.872	1665875	15.874	96	50 - 200	-0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0515 (1204161-03)			Lab File ID: 0416103.D			Analyzed: 05/04/12 12:04			
1,4-Dichlorobenzene-d4	519101	4.918	533195	4.917	97	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1845364	6.35	1935302	6.355	95	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	985225	8.46	1047783	8.47	94	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1628695	10.234	1748421	10.238	93	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1538670	13.615	1675167	13.62	92	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1540735	15.864	1665875	15.874	92	50 - 200	-0.0100	+/-0.50	
GW0594 (1204161-07)			Lab File ID: 0416107.D			Analyzed: 05/04/12 12:32			
1,4-Dichlorobenzene-d4	525725	4.917	533195	4.917	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1897824	6.349	1935302	6.355	98	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1021491	8.465	1047783	8.47	97	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1665654	10.238	1748421	10.238	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1578693	13.614	1675167	13.62	94	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1565290	15.869	1665875	15.874	94	50 - 200	-0.0050	+/-0.50	
GW0595 (1204161-09)			Lab File ID: 0416109.D			Analyzed: 05/04/12 13:00			
1,4-Dichlorobenzene-d4	542944	4.917	533195	4.917	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1927277	6.349	1935302	6.355	100	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1019764	8.464	1047783	8.47	97	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1673430	10.238	1748421	10.238	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1563519	13.614	1675167	13.62	93	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1550229	15.869	1665875	15.874	93	50 - 200	-0.0050	+/-0.50	
GW0530 (1204164-01)			Lab File ID: 0416401.D			Analyzed: 05/04/12 13:28			
1,4-Dichlorobenzene-d4	319606	4.917	533195	4.917	60	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1144384	6.349	1935302	6.355	59	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	587587	8.459	1047783	8.47	56	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	976132	10.233	1748421	10.238	56	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	922816	13.609	1675167	13.62	55	50 - 200	-0.0110	+/-0.50	
Perylene-d12	907030	15.863	1665875	15.874	54	50 - 200	-0.0110	+/-0.50	
GW0531 (1204164-03)			Lab File ID: 0416403.D			Analyzed: 05/04/12 13:56			
1,4-Dichlorobenzene-d4	300209	4.917	533195	4.917	56	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1072966	6.349	1935302	6.355	55	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	557031	8.459	1047783	8.47	53	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	917682	10.232	1748421	10.238	52	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	871854	13.614	1675167	13.62	52	50 - 200	-0.0060	+/-0.50	
Perylene-d12	869919	15.863	1665875	15.874	52	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12911	Instrument:	MS-BNA3
		Calibration:	2069001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0532 (1204164-05)			Lab File ID: 0416405.D			Analyzed: 05/04/12 14:24			
1,4-Dichlorobenzene-d4	314231	4.915	533195	4.917	59	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1138360	6.352	1935302	6.355	59	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	591393	8.462	1047783	8.47	56	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	967432	10.236	1748421	10.238	55	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	910664	13.612	1675167	13.62	54	50 - 200	-0.0080	+/-0.50	
Perylene-d12	908687	15.861	1665875	15.874	55	50 - 200	-0.0130	+/-0.50	
GW0593 (1204164-07)			Lab File ID: 0416407.D			Analyzed: 05/04/12 14:52			
1,4-Dichlorobenzene-d4	330548	4.918	533195	4.917	62	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1194399	6.35	1935302	6.355	62	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	631441	8.46	1047783	8.47	60	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1032648	10.234	1748421	10.238	59	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	988718	13.61	1675167	13.62	59	50 - 200	-0.0100	+/-0.50	
Perylene-d12	978495	15.864	1665875	15.874	59	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13010	Instrument:	MS-BNA1
		Calibration:	2121007

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E13010-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 05/08/12 13:22			
1,4-Dichlorobenzene-d4	549810	5.031	596380	5.022	92	50 - 200	0.0090	+/-0.50	
Naphthalene-d8	2035269	6.469	2345527	6.469	87	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	977581	8.591	1111180	8.595	88	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1619245	10.368	1923005	10.364	84	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1592494	13.753	1738806	13.763	92	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1625733	16.021	1691980	16.02	96	50 - 200	0.0010	+/-0.50	
Calibration Check (2E13010-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 05/08/12 13:49			
1,4-Dichlorobenzene-d4	566353	5.032	549810	5.031	103	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2213101	6.47	2035269	6.469	109	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1032460	8.584	977581	8.591	106	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1771826	10.367	1619245	10.368	109	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1726362	13.753	1592494	13.753	108	50 - 200	0.0000	+/-0.50	
Perylene-d12	1748834	16.016	1625733	16.021	108	50 - 200	-0.0050	+/-0.50	
GW0514 (1204161-01RE1)			Lab File ID: 416101D2.D			Analyzed: 05/08/12 15:39			
1,4-Dichlorobenzene-d4	591155	5.028	549810	5.031	108	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2266197	6.468	2035269	6.469	111	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1097878	8.587	977581	8.591	112	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1844500	10.367	1619245	10.368	114	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1758112	13.751	1592494	13.753	110	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1813186	16.01	1625733	16.021	112	50 - 200	-0.0110	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
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

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051	
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_051
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_051	
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_051
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_051	
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_051	
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_051	
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_051		
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_051		
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_051
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 DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.161968	10	1.151557	20	1.156721	40	1.181851	50	1.198065	60	1.20165
Acenaphthylene	5	1.904777	10	2.021974	20	1.975813	40	2.139691	50	2.012485	60	2.03005
Acetophenone												
Aniline	5	2.094677	10	2.094576	20	2.146946	40	2.222188	50	2.16157	60	2.221941
Anthracene	5	1.068377	10	1.119439	20	1.129703	40	1.154604	50	1.146205	60	1.280512
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.080076	10	1.03568	20	1.107259	40	1.163665	50	1.135552	60	1.150323
Benzo(a)pyrene	5	1.010815	10	0.9729895	20	1.023682	40	1.069816	50	1.049883	60	1.072029
Benzo(b)fluoranthene	5	1.077207	10	1.05482	20	1.152432	40	1.105239	50	1.235551	60	1.132566
Benzo(g,h,i)perylene	5	0.9694037	10	0.9306235	20	0.9754772	40	1.035463	50	1.022342	60	1.024955
Benzoic acid	5	~~0.1037087~~	10	0.1148764	20	0.1472478	40	0.1936789	50	0.1994909	60	0.2026924
Benzo(k)fluoranthene	5	1.094603	10	1.178088	20	1.226972	40	1.348457	50	1.214907	60	1.29562
Benzyl alcohol	5	0.9482747	10	0.8989879	20	0.9366554	40	0.9714658	50	0.9551847	60	0.9873282
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2180454	10	0.2127134	20	0.2204897	40	0.2275898	50	0.2307165	60	0.2393716
Butylbenzylphthalate	5	0.608763	10	0.5882832	20	0.6538192	40	0.6772373	50	0.6646925	60	0.6764421
Caprolactam												
Carbazole	5	1.004365	10	1.079322	20	1.108562	40	1.089658	50	1.107693	60	1.174686
4-Chloro-3-methylphenol	5	0.2509159	10	0.253181	20	0.2719407	40	0.2755829	50	0.2779111	60	0.2792447
4-Chloroaniline	5	0.4180964	10	0.4173394	20	0.4250312	40	0.4472673	50	0.4350864	60	0.4384521
Bis(2-chloroethoxy)methane	5	0.4038542	10	0.4002993	20	0.4133312	40	0.4232841	50	0.4142648	60	0.4230692
Bis(2-chloroethyl)ether	5	1.405527	10	1.417114	20	1.474901	40	1.474288	50	1.471975	60	1.503152
2,2'-Oxybis-1-chloropropane	5	1.96286	10	1.935141	20	2.130772	40	2.127112	50	2.083334	60	2.142483
2-Chloronaphthalene	5	1.185991	10	1.170466	20	1.20243	40	1.260104	50	1.226346	60	1.228512
2-Chlorophenol	5	1.434835	10	1.364692	20	1.453959	40	1.466251	50	1.449829	60	1.510478
4-Chlorophenyl phenyl ether	5	0.5845121	10	0.6043667	20	0.6343459	40	0.669489	50	0.6245017	60	0.6422736
Chrysene	5	0.9733657	10	1.011716	20	1.03841	40	1.080794	50	1.027483	60	1.063671
Dibenz(a,h)anthracene	5	1.000408	10	0.9688227	20	1.018225	40	1.084473	50	1.069281	60	1.088154
Dibenzofuran	5	1.676309	10	1.686981	20	1.650578	40	1.730242	50	1.720127	60	1.717234

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.364556	10	1.354398	20	1.397021	40	1.470968	50	1.45481	60	1.567999
1,4-Dichlorobenzene	5	1.580384	10	1.499627	20	1.585057	40	1.621617	50	1.572086	60	1.655087
1,3-Dichlorobenzene	5	1.591026	10	1.53498	20	1.540984	40	1.581125	50	1.572042	60	1.621597
1,2-Dichlorobenzene	5	1.510542	10	1.462846	20	1.499633	40	1.519469	50	1.502297	60	1.529213
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2557547	10	0.2536411	20	0.2605666	40	0.2730251	50	0.2714499	60	0.2799872
Diethylphthalate	5	1.341014	10	1.330944	20	1.32738	40	1.401411	50	1.387514	60	1.40216
2,4-Dimethylphenol	5	0.3139852	10	0.31846	20	0.3147808	40	0.3468539	50	0.3367469	60	0.3364998
Dimethyl phthalate	5	1.352597	10	1.296051	20	1.292901	40	1.372516	50	1.333485	60	1.326581
4,6-Dinitro-2-methylphenol	5	~~3.830081E-02~~	10	6.071014E-02	20	7.465803E-02	40	0.1083456	50	0.1090569	60	0.1298184
2,4-Dinitrophenol	5	~~6.368314E-02~~	10	0.0622151	20	8.039792E-02	40	0.1059293	50	0.1216251	60	0.1335469
2,4-Dinitrotoluene	5	0.2378706	10	0.3012638	20	0.3547327	40	0.4151537	50	0.4263045	60	0.4207274
2,6-Dinitrotoluene	5	0.2392889	10	0.2761442	20	0.3261465	40	0.3481893	50	0.3388437	60	0.3444069
Di-n-octylphthalate	5	1.426919	10	1.325434	20	1.460165	40	1.522471	50	1.532767	60	1.560356
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.7747735	10	0.8484203	20	0.8478481	40	0.8399828	50	0.8139992	60	0.8917487
Bis(2-ethylhexyl)phthalate	5	0.8392993	10	0.8056911	20	0.8478024	40	0.9284979	50	0.923968	60	0.9345099
Fluoranthene	5	1.01877	10	1.064579	20	1.081046	40	1.095411	50	1.123357	60	1.225526
Fluorene	5	1.356581	10	1.378304	20	1.373212	40	1.500642	50	1.425924	60	1.479014
2-Fluorobiphenyl	5	1.272639	10	1.217476	20	1.241881	40	1.274994	50	1.269822	60	1.291529
2-Fluorophenol	10	1.273135	20	1.283699	40	1.310558	80	1.365061	100	1.360041	120	1.402106
Hexachlorobenzene	5	0.2685738	10	0.2740981	20	0.2706663	40	0.2870307	50	0.2777394	60	0.2933359
Hexachlorobutadiene	5	0.1539715	10	0.150464	20	0.1556048	40	0.1576886	50	0.1576385	60	0.1598688
Hexachlorocyclopentadiene	5	0.2917045	10	0.3136204	20	0.3071897	40	0.3503157	50	0.35624	60	0.3742259
Hexachloroethane	5	0.6293979	10	0.5970417	20	0.6085271	40	0.6338203	50	0.6140456	60	0.6566513
Indeno(1,2,3-cd)pyrene	5	1.123214	10	1.124318	20	1.158835	40	1.221829	50	1.199639	60	1.225393
Isophorone	5	0.6522636	10	0.6451804	20	0.6583519	40	0.6809717	50	0.6521182	60	0.6637842
1-Methylnaphthalene	5	0.4948104	10	0.4873029	20	0.5019744	40	0.515995	50	0.5077004	60	0.5254016
2-Methylnaphthalene	5	0.5173813	10	0.4969574	20	0.5263976	40	0.5346577	50	0.5111984	60	0.5316771
2-Methylphenol	5	1.279748	10	1.27306	20	1.311908	40	1.341731	50	1.321748	60	1.377561

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
4-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
3-Methylphenol/4-Methylphenol	5	1.254381	10	1.292741	20	1.338468	40	1.385894	50	1.372122	60	1.433298
Naphthalene	5	0.9973685	10	0.9932663	20	1.038539	40	1.052592	50	1.032365	60	1.072938
4-Nitroaniline	5	0.2836237	10	0.3376835	20	0.3539387	40	0.3953087	50	0.3873212	60	0.3822713
3-Nitroaniline	5	0.3281862	10	0.3357374	20	0.3744473	40	0.4098824	50	0.4249803	60	0.4113152
2-Nitroaniline	5	0.2662015	10	0.2632273	20	0.278424	40	0.3129025	50	0.3162098	60	0.3251435
Nitrobenzene	5	0.3113957	10	0.3078793	20	0.324247	40	0.3400459	50	0.3296321	60	0.3344832
Nitrobenzene-d5	5	0.2731591	10	0.258044	20	0.2766675	40	0.2935361	50	0.282447	60	0.2939095
4-Nitrophenol	5	0.1555746	10	0.1636942	20	0.1997211	40	0.2153259	50	0.2222478	60	0.2175585
2-Nitrophenol	5	0.1447008	10	0.1527646	20	0.1642655	40	0.18209	50	0.1818521	60	0.1916847
N-Nitrosodimethylamine	5	0.5746752	10	0.6157148	20	0.6183414	40	0.6073978	50	0.5975695	60	0.6273782
N-Nitrosodiphenylamine	5	0.6461984	10	0.6552622	20	0.6777329	40	0.6803208	50	0.6867554	60	0.7159369
N-Nitroso-di-n-propylamine	5	0.8576693	10	0.8801086	20	0.9275215	40	0.9450758	50	0.940773	60	0.9589688
Pentachlorophenol	5	~~0.119421~~	10	0.1359265	20	0.1521267	40	0.1769353	50	0.1775256	60	0.2005545
Phenanthrene	5	1.084579	10	1.11621	20	1.11388	40	1.142429	50	1.092656	60	1.229403
Phenol	5	1.76087	10	1.725025	20	1.88744	40	1.929344	50	1.881225	60	1.942958
Phenol-d6	10	1.682404	20	1.707436	40	1.779276	80	1.87192	100	1.860248	120	1.908218
Pyrene	5	1.217884	10	1.231855	20	1.277639	40	1.330188	50	1.304321	60	1.359186
Pyridine	5	1.483205	10	1.610642	20	1.652019	40	1.619155	50	1.5505	60	1.587851
Terphenyl-d14	5	0.7097761	10	0.6977154	20	0.7413135	40	0.7750112	50	0.7497802	60	0.7542182
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2585672	10	0.2882485	20	0.3024092	40	0.3469725	50	0.3523921	60	0.339056
2,4,6-Tribromophenol	10	0.130379	20	0.1379283	40	0.1531041	80	0.1603463	100	0.1582507	120	0.1695823
1,2,4-Trichlorobenzene	5	0.2914184	10	0.2950457	20	0.322782	40	0.3151453	50	0.3091896	60	0.3171318
2,4,6-Trichlorophenol	5	0.3536717	10	0.3775592	20	0.3749088	40	0.3911854	50	0.4071929	60	0.3986486
2,4,5-Trichlorophenol	5	0.3593361	10	0.3735986	20	0.3798405	40	0.4114226	50	0.416676	60	0.4086956

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.230609	100	1.240039								
Acenaphthylene	80	2.077199	100	2.075886								
Acetophenone					5	1.623866	10	1.586929	20	1.652412	40	1.693326
Aniline	80	2.142439	100	2.092817								
Anthracene	80	1.237959	100	1.205183								
Atrazine					5	0.1559039	10	0.1753069	20	0.184148	40	0.1908914
Benzaldehyde					5	1.202333	10	1.147468	20	1.18616	40	1.111811
Benzidine					5	0.574859	10	0.6327611	20	0.6987611	40	0.7226365
Benzo(a)anthracene	80	1.141827	100	1.136699								
Benzo(a)pyrene	80	1.047169	100	1.075648								
Benzo(b)fluoranthene	80	1.140184	100	1.12306								
Benzo(g,h,i)perylene	80	1.009559	100	1.022248								
Benzoic acid	80	0.2228023	100	0.2356122								
Benzo(k)fluoranthene	80	1.239425	100	1.227666								
Benzyl alcohol	80	0.9646761	100	0.9817096								
1,1-Biphenyl					5	1.412373	10	1.419922	20	1.493173	40	1.549489
4-Bromophenyl-phenylether	80	0.2454232	100	0.2329818								
Butylbenzylphthalate	80	0.6729163	100	0.6910243								
Caprolactam					5	0.0832012	10	8.319794E-02	20	9.352835E-02	40	0.1001537
Carbazole	80	1.193345	100	1.118606								
4-Chloro-3-methylphenol	80	0.2779237	100	0.2846458								
4-Chloroaniline	80	0.4366614	100	0.4372452								
Bis(2-chloroethoxy)methane	80	0.4208617	100	0.4211067								
Bis(2-chloroethyl)ether	80	1.456098	100	1.469373								
2,2'-Oxybis-1-chloropropane	80	2.1302	100	2.152363								
2-Chloronaphthalene	80	1.241694	100	1.233761								
2-Chlorophenol	80	1.452813	100	1.49076								
4-Chlorophenyl phenyl ether	80	0.6346272	100	0.6314523								
Chrysene	80	1.050371	100	1.029725								
Dibenz(a,h)anthracene	80	1.064213	100	1.076704								
Dibenzofuran	80	1.810505	100	1.794061								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.616891	100	1.382475								
1,4-Dichlorobenzene	80	1.585824	100	1.627584								
1,3-Dichlorobenzene	80	1.612754	100	1.62946								
1,2-Dichlorobenzene	80	1.501473	100	1.532291								
3,3'-Dichlorobenzidine					5	0.3685403	10	0.3888846	20	0.4085134	40	0.4460126
2,6-Dichlorophenol					5	0.2208761	10	0.2329345	20	0.2429871	40	0.2614339
2,4-Dichlorophenol	80	0.2812247	100	0.2848209								
Diethylphthalate	80	1.473397	100	1.447479								
2,4-Dimethylphenol	80	0.3363599	100	0.3432755								
Dimethyl phthalate	80	1.374157	100	1.387301								
4,6-Dinitro-2-methylphenol	80	0.13643	100	0.1407258								
2,4-Dinitrophenol	80	0.1580685	100	0.1744041								
2,4-Dinitrotoluene	80	0.4463764	100	0.4723159								
2,6-Dinitrotoluene	80	0.3571414	100	0.3629939								
Di-n-octylphthalate	80	1.584751	100	1.627761								
1,4-Dioxane					5	0.5996203	10	0.6461232	20	0.6161189	40	0.6482877
1,2-Diphenylhydrazine	80	0.8571127	100	0.8337686								
Bis(2-ethylhexyl)phthalate	80	0.9307869	100	0.9063226								
Fluoranthene	80	1.213546	100	1.113814								
Fluorene	80	1.460679	100	1.481668								
2-Fluorobiphenyl	80	1.315879	100	1.33231								
2-Fluorophenol	160	1.354273	200	1.412455								
Hexachlorobenzene	80	0.2848165	100	0.2716463								
Hexachlorobutadiene	80	0.1567604	100	0.1631961								
Hexachlorocyclopentadiene	80	0.3862975	100	0.3537393								
Hexachloroethane	80	0.6408248	100	0.6521842								
Indeno(1,2,3-cd)pyrene	80	1.197154	100	1.210112								
Isophorone	80	0.6622899	100	0.6705676								
1-Methylnaphthalene	80	0.5228655	100	0.5189085								
2-Methylnaphthalene	80	0.5288301	100	0.5511595								
2-Methylphenol	80	1.358679	100	1.352419								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.380139	100	1.411678								
4-Methylphenol	80	1.380139	100	1.411678								
3-Methylphenol/4-Methylphenol	80	1.380139	100	1.411678								
Naphthalene	80	~~1.057764~~	100	~~1.032615~~								
4-Nitroaniline	80	0.3906273	100	0.4037952								
3-Nitroaniline	80	0.4344135	100	0.4318199								
2-Nitroaniline	80	0.3304263	100	0.3235494								
Nitrobenzene	80	0.3267173	100	0.3335563								
Nitrobenzene-d5	80	0.2886464	100	0.2979063								
4-Nitrophenol	80	0.2264359	100	0.2304444								
2-Nitrophenol	80	0.1893816	100	0.1990328								
N-Nitrosodimethylamine	80	0.6008002	100	0.5999289								
N-Nitrosodiphenylamine	80	0.755926	100	0.6976598								
N-Nitroso-di-n-propylamine	80	0.93923	100	0.967288								
Pentachlorophenol	80	0.1928405	100	0.1884045								
Phenanthrene	80	1.235559	100	1.155804								
Phenol	80	1.878776	100	2.02591								
Phenol-d6	160	1.867823	200	1.903971								
Pyrene	80	1.305259	100	1.286325								
Pyridine	80	1.57686	100	1.611854								
Terphenyl-d14	80	0.7487272	100	0.7284106								
1,2,4,5-Tetrachlorobenzene					5	0.262221	10	0.2603606	20	0.2775061	40	0.2793494
2,3,4,6-Tetrachlorophenol	80	0.3555243	100	0.3686575								
2,4,6-Tribromophenol	160	0.1684826	200	0.1614411								
1,2,4-Trichlorobenzene	80	0.3138321	100	0.3169212								
2,4,6-Trichlorophenol	80	0.4252847	100	0.4283547								
2,4,5-Trichlorophenol	80	0.4434029	100	0.4381242								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	1.725106	60	1.726936	80	1.726324	100	1.758024				
Aniline												
Anthracene												
Atrazine	50	0.1975889	60	0.1951995	80	0.2023761	100	0.2069335				
Benzaldehyde	50	1.096628	60	1.056631	80	1.02174	100	0.95103				
Benzidine	50	0.7570663	60	0.7353975	80	0.7650554	100	0.7455493				
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	1.517844	60	1.539983	80	1.607053	100	1.599259				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1010837	60	0.1072334	80	0.1068057	100	0.1058673				
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

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	0.4664608	60	0.4567379	80	0.4707479	100	0.4630452				
2,6-Dichlorophenol	50	0.2565818	60	0.2724041	80	0.2645774	100	0.2682274				
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	0.6248279	60	0.6246871	80	0.6222392	100	0.6243288				
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_051	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2121007	Instrument:	MS-BNA1	
Matrix:	Water	Calibration Dates:	4/27/12 18:27	4/28/12 1:13

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	0.2746832	60	0.2863037	80	0.280573	100	0.285427				
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.190308	2.802733	8.62725	5.200993E-02			CCC (30)	
Acenaphthylene	2.029734	3.501278	8.40275	3.270555E-02			15	
Acetophenone	1.686615	3.534276	5.49075	8.375776E-02			15	
Aniline	2.147144	2.484715	4.71875	1.252149E-02			15	
Anthracene	1.167748	5.909907	10.44275	4.495866E-02			15	
Atrazine	0.1885435	8.786326	10.07137	5.969203E-02			15	
Benzaldehyde	1.096725	7.737807	4.5795	1.734072E-03			15	
Benzidine	0.7040108	9.510855	12.01087	3.010413E-02			15	
Benzo(a)anthracene	1.118885	3.803765	13.72675	4.125532E-02			15	
Benzo(a)pyrene	1.040254	3.435929	15.92212	5.441474E-02			CCC (30)	
Benzo(b)fluoranthene	1.127632	4.835276	15.40812	3.644915E-02			15	
Benzo(g,h,i)perylene	0.9987589	3.650307	18.13725	7.132317E-02			15	
Benzoic acid	0.1880573	22.62925	6.219143	0.5037606	0.9953867		0.995	
Benzo(k)fluoranthene	1.228217	6.129328	15.44637	0.0526407			15	
Benzyl alcohol	0.9555353	2.970633	5.19225	9.964504E-02			15	
1,1-Biphenyl	1.517387	4.817011	7.880625	6.054111E-02			15	
4-Bromophenyl-phenylether	0.2284164	4.832906	9.82075	3.396321E-02			15	
Butylbenzylphthalate	0.6541472	5.557539	12.99688	2.695455E-02			15	
Caprolactam	9.763391E-02	10.21206	6.929	0.1186519			15	
Carbazole	1.10953	5.246945	10.64888	4.295302E-02			15	
4-Chloro-3-methylphenol	0.2714182	4.60022	7.156375	6.849662E-02			CCC (30)	
4-Chloroaniline	0.4318974	2.460069	6.585	2.259744E-02			15	
Bis(2-chloroethoxy)methane	0.4150089	2.134025	6.2085	9.025068E-02			15	
Bis(2-chloroethyl)ether	1.459053	2.218473	4.77725	1.438265E-02			15	
2,2'-Oxybis-1-chloropropane	2.083033	4.101771	5.3635	2.074088E-02			15	
2-Chloronaphthalene	1.218663	2.458937	7.89175	3.908554E-02			15	
2-Chlorophenol	1.452952	2.971075	4.835875	1.683628E-02			15	
4-Chlorophenyl phenyl ether	0.6281961	4.028395	9.23275	1.848591E-02			15	
Chrysene	1.034442	3.183143	13.79163	3.803345E-02			15	
Dibenz(a,h)anthracene	1.046285	4.255835	17.72362	0.0511616			15	
Dibenzofuran	1.723255	3.217736	8.814	3.023361E-02			15	
Di-n-butylphthalate	1.45114	6.693139	11.13137	2.195434E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.590908	2.935272	5.040875	2.028116E-02			CCC (30)	
1,3-Dichlorobenzene	1.585496	2.229056	4.992375	1.341201E-02			15	
1,2-Dichlorobenzene	1.507221	1.453016	5.248375	7.261098E-02			15	
3,3'-Dichlorobenzidine	0.4336178	9.091065	13.72325	2.994341E-02			15	
2,6-Dichlorophenol	0.2525028	7.270602	6.59125	0.0693189			15	
2,4-Dichlorophenol	0.2700588	4.461403	6.319875	5.452827E-02			CCC (30)	
Diethylphthalate	1.388912	3.881271	9.1705	4.977807E-02			15	
2,4-Dimethylphenol	0.3308702	3.963317	6.096	4.544506E-03			15	
Dimethyl phthalate	1.341949	2.666352	8.316	3.866149E-02			15	
4,6-Dinitro-2-methylphenol	0.108535	28.40459	9.357143	6.719416E-02		0.9960523	0.99	
2,4-Dinitrophenol	0.1194553	33.65668	8.680429	6.867936E-02		0.9969981	SPCC (0.05)	
2,4-Dinitrotoluene	0.3843431	20.82736	8.868	7.503113E-02	0.9968686		0.995	
2,6-Dinitrotoluene	0.3241444	13.45314	8.399125	7.037597E-02			15	
Di-n-octylphthalate	1.505078	6.447733	14.80562	3.530081E-02			CCC (30)	
1,4-Dioxane	0.6257791	2.501185	2.369	0.1375627			15	
1,2-Diphenylhydrazine	0.8384567	4.045453	9.422125	4.272995E-02			15	
Bis(2-ethylhexyl)phthalate	0.8896098	5.700965	13.855	0.0133929			15	
Fluoranthene	1.117006	6.357939	11.83962	2.848839E-02			CCC (30)	
Fluorene	1.432003	3.939352	9.23275	1.848591E-02			15	
2-Fluorobiphenyl	1.277066	2.904756	7.77625	1.659451E-02			15	
2-Fluorophenol	1.345166	3.835588	3.762875	1.640586E-02			15	
Hexachlorobenzene	0.2784884	3.210559	10.00313	4.272489E-02			15	
Hexachlorobutadiene	0.1568991	2.424806	6.7115	1.222374E-02			CCC (30)	
Hexachlorocyclopentadiene	0.3416666	9.867508	7.5885	5.552036E-02			SPCC (0.05)	
Hexachloroethane	0.6290616	3.361161	5.58825	2.242227E-02			15	
Indeno(1,2,3-cd)pyrene	1.182562	3.518308	17.69563	4.887154E-02			15	
Isophorone	0.6606909	1.727198	5.943375	9.061499E-02			15	
1-Methylnaphthalene	0.5093698	2.706573	7.43775	0.0537879			15	
2-Methylnaphthalene	0.5247824	3.117321	7.308	1.301214E-02			15	
2-Methylphenol	1.327107	2.822361	5.334	0.015719			15	
3-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	
4-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121007	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	4/27/12 18:27 4/28/12 1:13

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.35859	4.433246	5.495375	0.0971158			15	
Naphthalene	1.031178	3.016696	6.493333	6.376222E-02	0.9992087		0.995	
4-Nitroaniline	0.3668212	10.97296	9.31025	8.809643E-02			15	
3-Nitroaniline	0.3938478	10.80794	8.564875	8.654626E-02			15	
2-Nitroaniline	0.3020105	9.255583	8.061625	4.272494E-02			15	
Nitrobenzene	0.3259946	3.448714	5.685625	1.531882E-02			15	
Nitrobenzene-d5	0.2830395	4.710226	5.6665	0.0154909			15	
4-Nitrophenol	0.2038753	14.16205	8.765625	0.031511			SPCC (0.05)	
2-Nitrophenol	0.1757215	11.1424	6.0555	5.614731E-02			CCC (30)	
N-Nitrosodimethylamine	0.6052258	2.662057	2.6325	0.1313057			15	
N-Nitrosodiphenylamine	0.689474	5.040815	9.39175	5.074671E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.9270794	4.141029	5.518375	6.368412E-02			SPCC (0.05)	
Pentachlorophenol	0.1749019	13.22662	10.21814	2.991729E-02			CCC (30)	
Phenanthrene	1.146315	5.067651	10.3905	3.001677E-02			15	
Phenol	1.878943	5.165757	4.691625	9.934238E-02			CCC (30)	
Phenol-d6	1.822662	4.847363	4.677375	0.1553715			15	
Pyrene	1.289082	3.659878	12.11263	2.505709E-02			15	
Pyridine	1.586511	3.253083	2.646	0.2856649			15	
Terphenyl-d14	0.7381191	3.400099	12.31763	0.0264079			15	
1,2,4,5-Tetrachlorobenzene	0.275803	3.534787	7.563	9.094939E-03			15	
2,3,4,6-Tetrachlorophenol	0.3264784	11.87717	9.02125	3.966309E-02			15	
2,4,6-Tribromophenol	0.1549393	9.049827	9.55475	5.346473E-02			15	
1,2,4-Trichlorobenzene	0.3101833	3.599461	6.423625	8.677518E-02			15	
2,4,6-Trichlorophenol	0.3946008	6.511076	7.682375	5.548124E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4038871	7.520122	7.725125	4.486581E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
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_051
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_051
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

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	53.37	1.190308	1.270645		6.7	20
Acenaphthylene	A	50.00	51.60	2.029734	2.094738		3.2	20
Anthracene	A	50.00	52.45	1.167748	1.224973		4.9	20
Benzo(a)anthracene	A	50.00	52.37	1.118885	1.171954		4.7	20
Benzo(a)pyrene	A	50.00	53.27	1.040254	1.1082		6.5	20
Benzo(b)fluoranthene	A	50.00	55.07	1.127632	1.241907		10.1	20
Benzo(g,h,i)perylene	A	50.00	52.99	0.9987589	1.058391		6.0	20
Benzoic acid	L	50.00	49.27	0.1880573	0.204541		-1.5	20
Benzo(k)fluoranthene	A	50.00	51.68	1.228217	1.26948		3.4	20
4-Bromophenyl-phenylether	A	50.00	51.73	0.2284164	0.236299		3.5	20
Butylbenzylphthalate	A	50.00	50.58	0.6541472	0.6616698		1.1	20
Carbazole	A	50.00	52.09	1.10953	1.155978		4.2	20
4-Chloro-3-methylphenol	A	50.00	53.74	0.2714182	0.2916976		7.5	20
4-Chloroaniline	A	50.00	52.00	0.4318974	0.4491373		4.0	20
Bis(2-chloroethoxy)methane	A	50.00	54.79	0.4150089	0.4547406		9.6	20
Bis(2-chloroethyl)ether	A	50.00	52.01	1.459053	1.517665		4.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.99	2.083033	2.207703		6.0	20
2-Chloronaphthalene	A	50.00	53.09	1.218663	1.293914		6.2	20
2-Chlorophenol	A	50.00	51.11	1.452952	1.485181		2.2	20
4-Chlorophenyl phenyl ether	A	50.00	56.17	0.6281961	0.7057315		12.3	20
Chrysene	A	50.00	53.78	1.034442	1.112657		7.6	20
Dibenz(a,h)anthracene	A	50.00	53.15	1.046285	1.112098		6.3	20
Dibenzofuran	A	50.00	54.72	1.723255	1.886063		9.4	20
Di-n-butylphthalate	A	50.00	50.08	1.45114	1.453599		0.2	20
2,4-Dichlorophenol	A	50.00	53.04	0.2700588	0.286501		6.1	20
Diethylphthalate	A	50.00	53.11	1.388912	1.475274		6.2	20
2,4-Dimethylphenol	A	50.00	54.03	0.3308702	0.3575516		8.1	20
Dimethyl phthalate	A	50.00	50.98	1.341949	1.368145		2.0	20
4,6-Dinitro-2-methylphenol	Q	50.00	52.60	0.108535	0.1254606		5.2	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	53.38	0.1194553	0.1355659	0.05	6.8	20
2,4-Dinitrotoluene	L	50.00	52.33	0.3843431	0.4580241		4.7	20
2,6-Dinitrotoluene	A	50.00	55.80	0.3241444	0.3617265		11.6	20
Di-n-octylphthalate	A	50.00	51.13	1.505078	1.539164		2.3	20
1,2-Diphenylhydrazine	A	50.00	51.91	0.8384567	0.8704767		3.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	51.17	0.8896098	0.910384		2.3	20
Fluoranthene	A	50.00	53.82	1.117006	1.202255		7.6	20
Fluorene	A	50.00	54.69	1.432003	1.566275		9.4	20
Hexachlorobenzene	A	50.00	52.25	0.2784884	0.2910473		4.5	20
Hexachlorobutadiene	A	50.00	59.79	0.1568991	0.1876144		19.6	20
Hexachlorocyclopentadiene	A	50.00	48.07	0.3416666	0.3284781	0.05	-3.9	20
Hexachloroethane	A	50.00	49.92	0.6290616	0.6279954		-0.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.28	1.182562	1.260188		6.6	20
Isophorone	A	50.00	52.32	0.6606909	0.6914106		4.6	20
1-Methylnaphthalene	A	50.00	52.52	0.5093698	0.5350688		5.0	20
2-Methylnaphthalene	A	50.00	52.19	0.5247824	0.5477694		4.4	20
2-Methylphenol	A	50.00	50.58	1.327107	1.342493		1.2	20
3-Methylphenol/4-Methylphenol	A	50.00	51.68	1.35859	1.404137		3.4	20
Naphthalene	L	50.00	59.97	1.031178	1.26872		19.9	20
4-Nitroaniline	A	50.00	55.84	0.3668212	0.409631		11.7	20
3-Nitroaniline	A	50.00	53.33	0.3938478	0.4200828		6.7	20
2-Nitroaniline	A	50.00	56.06	0.3020105	0.338641		12.1	20
Nitrobenzene	A	50.00	52.30	0.3259946	0.3409816		4.6	20
4-Nitrophenol	A	50.00	56.55	0.2038753	0.2305865	0.05	13.1	20
2-Nitrophenol	A	50.00	54.04	0.1757215	0.1899366		8.1	20
N-Nitrosodiphenylamine	A	50.00	50.77	0.689474	0.7000457		1.5	20
N-Nitroso-di-n-propylamine	A	50.00	50.08	0.9270794	0.9285794	0.05	0.2	20
Pentachlorophenol	A	50.00	59.71	0.1749019	0.2088681		19.4	20
Phenanthrene	A	50.00	52.62	1.146315	1.206358		5.2	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV1	Injection Time:	01:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Phenol	A	50.00	49.98	1.878943	1.878184		-0.04	20
Pyrene	A	50.00	50.09	1.289082	1.291498		0.2	20
2,4,6-Trichlorophenol	A	50.00	54.76	0.3946008	0.4321696		9.5	20
2,4,5-Trichlorophenol	A	50.00	57.29	0.4038871	0.4627768		14.6	20
2-Fluorobiphenyl	A	50.00	57.47	1.277066	1.467953		14.9	20
2-Fluorophenol	A	100.0	108.3	1.345166	1.456681		8.3	20
Nitrobenzene-d5	A	50.00	53.93	0.2830395	0.3053044		7.9	20
Phenol-d6	A	100.0	96.53	1.822662	1.759373		-3.5	20
Terphenyl-d14	A	50.00	59.12	0.7381191	0.8728151		18.2	20
2,4,6-Tribromophenol	A	100.0	105.7	0.1549393	0.1636947		5.7	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-ICV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2D12112	Injection Date:	04/28/12
Lab Sample ID:	2D12112-ICV2	Injection Time:	02:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.99	1.686615	1.652588		-2.0	20
Atrazine	A	50.00	49.75	0.1885435	0.1876111		-0.5	20
Benzaldehyde	A	50.00	43.35	1.096725	0.9508318		-13.3	20
Benzidine	A	50.00	41.57	0.7040108	0.5853802		-16.9	20
1,1-Biphenyl	A	50.00	50.30	1.517387	1.52655		0.6	20
Caprolactam	A	50.00	53.49	9.763391E-02	0.1044466		7.0	20
3,3'-Dichlorobenzidine	A	50.00	50.91	0.4336178	0.4415401		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

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2D12107	Injection Date:	04/27/12
Lab Sample ID:	2D12107-CCV1	Injection Time:	13:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	53.03	1.227044	1.301387		6.1	20
Acenaphthylene	A	50.00	53.56	1.852065	1.98412		7.1	20
Anthracene	A	50.00	52.32	1.133012	1.185549		4.6	20
Benzo(a)anthracene	A	50.00	54.18	1.103689	1.195868		8.4	20
Benzo(a)pyrene	A	50.00	55.82	1.023811	1.143022		11.6	20
Benzo(b)fluoranthene	A	50.00	56.23	1.0754	1.209333		12.5	20
Benzo(g,h,i)perylene	A	50.00	54.52	1.01249	1.104094		9.0	20
Benzoic acid	L	50.00	54.39	0.1648649	0.2134557		8.8	20
Benzo(k)fluoranthene	A	50.00	50.68	1.219317	1.235979		1.4	20
4-Bromophenyl-phenylether	A	50.00	53.27	0.2337657	0.2490738		6.5	20
Butylbenzylphthalate	A	50.00	59.83	0.4859791	0.5815147		19.7	20
Carbazole	A	50.00	51.86	1.0754	1.115436		3.7	20
4-Chloro-3-methylphenol	A	50.00	56.13	0.2837354	0.3185431		12.3	20
4-Chloroaniline	A	50.00	52.64	0.4371268	0.4602316		5.3	20
Bis(2-chloroethoxy)methane	A	50.00	51.02	0.3933903	0.4014523		2.0	20
Bis(2-chloroethyl)ether	A	50.00	49.64	1.211893	1.203201		-0.7	20
2,2'-Oxybis-1-chloropropane	A	50.00	47.49	1.445655	1.373107		-5.0	20
2-Chloronaphthalene	A	50.00	52.83	1.153308	1.218644		5.7	20
2-Chlorophenol	A	50.00	53.23	1.325446	1.411141		6.5	20
4-Chlorophenyl phenyl ether	A	50.00	53.85	0.6302053	0.6787623		7.7	20
Chrysene	A	50.00	51.42	1.078355	1.109054		2.8	20
Dibenz(a,h)anthracene	A	50.00	54.76	0.9600494	1.051466		9.5	20
Dibenzofuran	A	50.00	52.61	1.660029	1.746735		5.2	20
Di-n-butylphthalate	A	50.00	54.40	1.17206	1.275172		8.8	20
2,4-Dichlorophenol	A	50.00	55.22	0.2992222	0.3304808		10.4	20
Diethylphthalate	A	50.00	53.94	1.275695	1.376217		7.9	20
2,4-Dimethylphenol	A	50.00	53.45	0.3493162	0.3734385		6.9	20
Dimethyl phthalate	A	50.00	53.92	1.296933	1.398725		7.8	20
4,6-Dinitro-2-methylphenol	L	50.00	58.77	0.1014239	0.1496177		17.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2D12107	Injection Date:	04/27/12
Lab Sample ID:	2D12107-CCV1	Injection Time:	13:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrophenol	Q	50.00	51.90	0.1068214	0.1243511	0.05	3.8	20	
2,4-Dinitrotoluene	A	50.00	60.42	0.3721936	0.4497935		20.8	20	*
2,6-Dinitrotoluene	A	50.00	57.52	0.2865519	0.3296588		15.0	20	
Di-n-octylphthalate	L	50.00	57.72	0.985916	1.28563		15.4	20	
1,2-Diphenylhydrazine	A	50.00	49.58	0.71551	0.7095162		-0.8	20	
Bis(2-ethylhexyl)phthalate	A	50.00	60.66	0.661211	0.8021658		21.3	20	*
Fluoranthene	A	50.00	50.60	1.205185	1.219529		1.2	20	
Fluorene	A	50.00	53.27	1.348421	1.436639		6.5	20	
Hexachlorobenzene	A	50.00	51.85	0.2536304	0.2630027		3.7	20	
Hexachlorobutadiene	A	50.00	53.58	0.1878288	0.2012857		7.2	20	
Hexachlorocyclopentadiene	A	50.00	65.28	0.327255	0.4272645	0.05	30.6	20	*
Hexachloroethane	A	50.00	52.17	0.5456498	0.5693802		4.3	20	
Indeno(1,2,3-cd)pyrene	A	50.00	55.99	1.163862	1.303368		12.0	20	
Isophorone	A	50.00	51.87	0.6138195	0.6368076		3.7	20	
1-Methylnaphthalene	A	50.00	52.94	0.6003693	0.635721		5.9	20	
2-Methylnaphthalene	A	50.00	53.31	0.6066831	0.646904		6.6	20	
2-Methylphenol	A	50.00	53.37	1.166012	1.24459		6.7	20	
3-Methylphenol/4-Methylphenol	A	50.00	53.14	1.216621	1.292949		6.3	20	
Naphthalene	A	50.00	51.40	1.06258	1.092269		2.8	20	
4-Nitroaniline	A	50.00	55.45	0.3073451	0.3408537		10.9	20	
3-Nitroaniline	A	50.00	56.29	0.3457032	0.3891916		12.6	20	
2-Nitroaniline	A	50.00	58.12	0.2776535	0.3227746		16.3	20	
Nitrobenzene	A	50.00	51.19	0.3476709	0.3559601		2.4	20	
4-Nitrophenol	L	50.00	55.02	0.184079	0.2295638	0.05	10.0	20	
2-Nitrophenol	A	50.00	61.28	0.1761745	0.2159311		22.6	20	*
N-Nitrosodiphenylamine	A	50.00	52.37	0.6837896	0.7161523		4.7	20	
N-Nitroso-di-n-propylamine	A	50.00	52.14	0.8384396	0.8742522	0.05	4.3	20	
Pentachlorophenol	L	50.00	57.31	0.1571575	0.2018643		14.6	20	
Phenanthrene	A	50.00	50.66	1.133604	1.148548		1.3	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2D12107	Injection Date:	04/27/12
Lab Sample ID:	2D12107-CCV1	Injection Time:	13:14

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	55.30	1.559627	1.725083		10.6	20
Pyrene	A	50.00	51.16	1.220824	1.249159		2.3	20
2,4,6-Trichlorophenol	A	50.00	58.54	0.3611826	0.4228859		17.1	20
2,4,5-Trichlorophenol	A	50.00	57.86	0.3737015	0.4324403		15.7	20
2-Fluorobiphenyl	A	50.00	57.88	1.271699	1.472088		15.8	20
2-Fluorophenol	A	100.0	103.6	1.156679	1.198298		3.6	20
Nitrobenzene-d5	A	50.00	57.76	0.3178558	0.3672175		15.5	20
Phenol-d6	A	100.0	106.1	1.455658	1.545007		6.1	20
Terphenyl-d14	A	50.00	58.13	0.7343801	0.8537651		16.3	20
2,4,6-Tribromophenol	A	100.0	119.8	0.1167875	0.1398836		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_051
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:	2D12107	Injection Date:	04/27/12
Lab Sample ID:	2D12107-CCV2	Injection Time:	13:42

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	53.24	1.643122	1.749468		6.5	20
Atrazine	A	50.00	58.50	0.1980708	0.2317276		17.0	20
Benzaldehyde	A	50.00	51.76	0.9775285	1.012007		3.5	20
Benzidine	A	50.00	65.50	0.5995572	0.7854274		31.0	20 *
1,1-Biphenyl	A	50.00	51.22	1.520101	1.557205		2.4	20
Caprolactam	L	50.00	53.80	8.993659E-02	0.1065537		7.6	20
3,3'-Dichlorobenzidine	A	50.00	56.49	0.3834744	0.4332469		13.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2D12113	Injection Date:	04/28/12
Lab Sample ID:	2D12113-CCV1	Injection Time:	10:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	52.25	1.227044	1.282307		4.5	20
Acenaphthylene	A	50.00	52.77	1.852065	1.954544		5.5	20
Anthracene	A	50.00	52.64	1.133012	1.192774		5.3	20
Benzo(a)anthracene	A	50.00	54.67	1.103689	1.206793		9.3	20
Benzo(a)pyrene	A	50.00	56.15	1.023811	1.149823		12.3	20
Benzo(b)fluoranthene	A	50.00	55.11	1.0754	1.185275		10.2	20
Benzo(g,h,i)perylene	A	50.00	53.90	1.01249	1.09148		7.8	20
Benzoic acid	L	50.00	57.58	0.1648649	0.2289735		15.2	20
Benzo(k)fluoranthene	A	50.00	51.37	1.219317	1.252686		2.7	20
4-Bromophenyl-phenylether	A	50.00	53.19	0.2337657	0.2486963		6.4	20
Butylbenzylphthalate	A	50.00	59.51	0.4859791	0.5784291		19.0	20
Carbazole	A	50.00	52.16	1.0754	1.121861		4.3	20
4-Chloro-3-methylphenol	A	50.00	56.05	0.2837354	0.3180812		12.1	20
4-Chloroaniline	A	50.00	54.42	0.4371268	0.4757878		8.8	20
Bis(2-chloroethoxy)methane	A	50.00	50.87	0.3933903	0.400232		1.7	20
Bis(2-chloroethyl)ether	A	50.00	49.63	1.211893	1.203039		-0.7	20
2,2'-Oxybis-1-chloropropane	A	50.00	47.81	1.445655	1.382435		-4.4	20
2-Chloronaphthalene	A	50.00	51.82	1.153308	1.195285		3.6	20
2-Chlorophenol	A	50.00	53.52	1.325446	1.418727		7.0	20
4-Chlorophenyl phenyl ether	A	50.00	53.00	0.6302053	0.6680005		6.0	20
Chrysene	A	50.00	50.96	1.078355	1.099076		1.9	20
Dibenz(a,h)anthracene	A	50.00	53.92	0.9600494	1.035363		7.8	20
Dibenzofuran	A	50.00	52.32	1.660029	1.737249		4.7	20
Di-n-butylphthalate	A	50.00	54.35	1.17206	1.274075		8.7	20
2,4-Dichlorophenol	A	50.00	55.94	0.2992222	0.3347972		11.9	20
Diethylphthalate	A	50.00	53.63	1.275695	1.368215		7.3	20
2,4-Dimethylphenol	A	50.00	53.69	0.3493162	0.3751035		7.4	20
Dimethyl phthalate	A	50.00	53.35	1.296933	1.383919		6.7	20
4,6-Dinitro-2-methylphenol	L	50.00	60.96	0.1014239	0.1559042		21.9	20 *

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2D12113	Injection Date:	04/28/12
Lab Sample ID:	2D12113-CCV1	Injection Time:	10:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	54.59	0.1068214	0.1333649	0.05	9.2	20
2,4-Dinitrotoluene	A	50.00	60.53	0.3721936	0.4505551		21.1	20 *
2,6-Dinitrotoluene	A	50.00	57.54	0.2865519	0.3297563		15.1	20
Di-n-octylphthalate	L	50.00	57.18	0.985916	1.273043		14.4	20
1,2-Diphenylhydrazine	A	50.00	49.47	0.71551	0.70796		-1.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	61.28	0.661211	0.810375		22.6	20 *
Fluoranthene	A	50.00	51.32	1.205185	1.237111		2.6	20
Fluorene	A	50.00	53.07	1.348421	1.431265		6.1	20
Hexachlorobenzene	A	50.00	52.85	0.2536304	0.2681099		5.7	20
Hexachlorobutadiene	A	50.00	54.32	0.1878288	0.2040766		8.7	20
Hexachlorocyclopentadiene	A	50.00	62.79	0.327255	0.4109422	0.05	25.6	20 *
Hexachloroethane	A	50.00	52.65	0.5456498	0.5745705		5.3	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.77	1.163862	1.298156		11.5	20
Isophorone	A	50.00	52.37	0.6138195	0.6429181		4.7	20
1-Methylnaphthalene	A	50.00	52.99	0.6003693	0.636274		6.0	20
2-Methylnaphthalene	A	50.00	53.84	0.6066831	0.6532246		7.7	20
2-Methylphenol	A	50.00	52.62	1.166012	1.227247		5.3	20
3-Methylphenol/4-Methylphenol	A	50.00	52.80	1.216621	1.284808		5.6	20
Naphthalene	A	50.00	52.01	1.06258	1.105243		4.0	20
4-Nitroaniline	A	50.00	54.47	0.3073451	0.3348476		8.9	20
3-Nitroaniline	A	50.00	55.33	0.3457032	0.3825814		10.7	20
2-Nitroaniline	A	50.00	56.12	0.2776535	0.3116669		12.3	20
Nitrobenzene	A	50.00	51.25	0.3476709	0.3563706		2.5	20
4-Nitrophenol	L	50.00	55.03	0.184079	0.2295887	0.05	10.1	20
2-Nitrophenol	A	50.00	62.54	0.1761745	0.2203775		25.1	20 *
N-Nitrosodiphenylamine	A	50.00	52.53	0.6837896	0.7183834		5.1	20
N-Nitroso-di-n-propylamine	A	50.00	52.30	0.8384396	0.8770659	0.05	4.6	20
Pentachlorophenol	L	50.00	56.80	0.1571575	0.1999726		13.6	20
Phenanthrene	A	50.00	50.95	1.133604	1.155101		1.9	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2D12113	Injection Date:	04/28/12
Lab Sample ID:	2D12113-CCV1	Injection Time:	10:37

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	55.17	1.559627	1.721002		10.3	20
Pyrene	A	50.00	52.64	1.220824	1.285209		5.3	20
2,4,6-Trichlorophenol	A	50.00	57.15	0.3611826	0.4128292		14.3	20
2,4,5-Trichlorophenol	A	50.00	57.93	0.3737015	0.4329672		15.9	20
2-Fluorobiphenyl	A	50.00	57.34	1.271699	1.458275		14.7	20
2-Fluorophenol	A	100.0	103.1	1.156679	1.192302		3.1	20
Nitrobenzene-d5	A	50.00	58.18	0.3178558	0.3698363		16.4	20
Phenol-d6	A	100.0	105.6	1.455658	1.53691		5.6	20
Terphenyl-d14	A	50.00	59.00	0.7343801	0.8666398		18.0	20
2,4,6-Tribromophenol	A	100.0	120.6	0.1167875	0.1409057		20.7	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2D12113	Injection Date:	04/28/12
Lab Sample ID:	2D12113-CCV2	Injection Time:	11:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	52.16	1.643122	1.713965		4.3	20
Atrazine	A	50.00	58.43	0.1980708	0.2314597		16.9	20
Benzaldehyde	A	50.00	51.30	0.9775285	1.003051		2.6	20
Benzidine	A	50.00	66.55	0.5995572	0.7980215		33.1	20 *
1,1-Biphenyl	A	50.00	51.69	1.520101	1.571522		3.4	20
Caprolactam	L	50.00	53.75	8.993659E-02	0.1064351		7.5	20
3,3'-Dichlorobenzidine	A	50.00	57.51	0.3834744	0.4410571		15.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E12807	Injection Date:	05/01/12
Lab Sample ID:	2E12807-CCV1	Injection Time:	15:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	51.53	1.190308	1.22667		3.1	20
Acenaphthylene	A	50.00	52.88	2.029734	2.146692		5.8	20
Anthracene	A	50.00	52.16	1.167748	1.218169		4.3	20
Benzo(a)anthracene	A	50.00	52.42	1.118885	1.172986		4.8	20
Benzo(a)pyrene	A	50.00	53.48	1.040254	1.112771		7.0	20
Benzo(b)fluoranthene	A	50.00	52.18	1.127632	1.176869		4.4	20
Benzo(g,h,i)perylene	A	50.00	53.21	0.9987589	1.06297		6.4	20
Benzoic acid	L	50.00	50.74	0.1880573	0.2118663		1.5	20
Benzo(k)fluoranthene	A	50.00	55.78	1.228217	1.370081		11.6	20
4-Bromophenyl-phenylether	A	50.00	54.50	0.2284164	0.2489959		9.0	20
Butylbenzylphthalate	A	50.00	50.07	0.6541472	0.6550929		0.1	20
Carbazole	A	50.00	52.48	1.10953	1.164607		5.0	20
4-Chloro-3-methylphenol	A	50.00	55.03	0.2714182	0.298703		10.1	20
4-Chloroaniline	A	50.00	55.27	0.4318974	0.477412		10.5	20
Bis(2-chloroethoxy)methane	A	50.00	51.74	0.4150089	0.4294841		3.5	20
Bis(2-chloroethyl)ether	A	50.00	50.99	1.459053	1.488006		2.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.13	2.083033	2.296615		10.3	20
2-Chloronaphthalene	A	50.00	51.59	1.218663	1.257427		3.2	20
2-Chlorophenol	A	50.00	51.86	1.452952	1.50705		3.7	20
4-Chlorophenyl phenyl ether	A	50.00	53.38	0.6281961	0.6706327		6.8	20
Chrysene	A	50.00	52.68	1.034442	1.089953		5.4	20
Dibenz(a,h)anthracene	A	50.00	53.53	1.046285	1.120109		7.1	20
Dibenzofuran	A	50.00	52.72	1.723255	1.817085		5.4	20
Di-n-butylphthalate	A	50.00	53.71	1.45114	1.558844		7.4	20
2,4-Dichlorophenol	A	50.00	55.03	0.2700588	0.2972466		10.1	20
Diethylphthalate	A	50.00	51.11	1.388912	1.419883		2.2	20
2,4-Dimethylphenol	A	50.00	54.83	0.3308702	0.3628466		9.7	20
Dimethyl phthalate	A	50.00	51.12	1.341949	1.371943		2.2	20
4,6-Dinitro-2-methylphenol	Q	50.00	55.81	0.108535	0.1352072		11.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E12807	Injection Date:	05/01/12
Lab Sample ID:	2E12807-CCV1	Injection Time:	15:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	57.06	0.1194553	0.1484177	0.05	14.1	20
2,4-Dinitrotoluene	L	50.00	51.49	0.3843431	0.4499135		3.0	20
2,6-Dinitrotoluene	A	50.00	56.93	0.3241444	0.3690965		13.9	20
Di-n-octylphthalate	A	50.00	48.80	1.505078	1.468936		-2.4	20
1,2-Diphenylhydrazine	A	50.00	52.92	0.8384567	0.887498		5.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	50.39	0.8896098	0.8966301		0.8	20
Fluoranthene	A	50.00	55.03	1.117006	1.229474		10.1	20
Fluorene	A	50.00	51.89	1.432003	1.486075		3.8	20
Hexachlorobenzene	A	50.00	54.18	0.2784884	0.3017681		8.4	20
Hexachlorobutadiene	A	50.00	56.00	0.1568991	0.1757329		12.0	20
Hexachlorocyclopentadiene	A	50.00	58.00	0.3416666	0.3963024	0.05	16.0	20
Hexachloroethane	A	50.00	52.37	0.6290616	0.658878		4.7	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.30	1.182562	1.260687		6.6	20
Isophorone	A	50.00	52.48	0.6606909	0.6934279		5.0	20
1-Methylnaphthalene	A	50.00	52.07	0.5093698	0.5304223		4.1	20
2-Methylnaphthalene	A	50.00	52.83	0.5247824	0.5545363		5.7	20
2-Methylphenol	A	50.00	51.61	1.327107	1.369943		3.2	20
3-Methylphenol/4-Methylphenol	A	50.00	50.90	1.35859	1.383048		1.8	20
Naphthalene	L	50.00	51.78	1.031178	1.093845		3.6	20
4-Nitroaniline	A	50.00	55.45	0.3668212	0.406839		10.9	20
3-Nitroaniline	A	50.00	54.44	0.3938478	0.4288419		8.9	20
2-Nitroaniline	A	50.00	55.43	0.3020105	0.3348251		10.9	20
Nitrobenzene	A	50.00	53.42	0.3259946	0.3483077		6.8	20
4-Nitrophenol	A	50.00	55.64	0.2038753	0.226859	0.05	11.3	20
2-Nitrophenol	A	50.00	55.66	0.1757215	0.1956273		11.3	20
N-Nitrosodiphenylamine	A	50.00	51.65	0.689474	0.712235		3.3	20
N-Nitroso-di-n-propylamine	A	50.00	53.52	0.9270794	0.992383	0.05	7.0	20
Pentachlorophenol	A	50.00	56.68	0.1749019	0.1982565		13.4	20
Phenanthrene	A	50.00	53.21	1.146315	1.219961		6.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E12807	Injection Date:	05/01/12
Lab Sample ID:	2E12807-CCV1	Injection Time:	15:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	51.53	1.878943	1.936553		3.1	20
Pyrene	A	50.00	52.12	1.289082	1.343808		4.2	20
2,4,6-Trichlorophenol	A	50.00	54.13	0.3946008	0.4271837		8.3	20
2,4,5-Trichlorophenol	A	50.00	53.49	0.4038871	0.4320797		7.0	20
2-Fluorobiphenyl	A	50.00	59.56	1.277066	1.521382		19.1	20
2-Fluorophenol	A	100.0	107.1	1.345166	1.441185		7.1	20
Nitrobenzene-d5	A	50.00	59.87	0.2830395	0.3389307		19.7	20
Phenol-d6	A	100.0	106.6	1.822662	1.942627		6.6	20
Terphenyl-d14	A	50.00	58.37	0.7381191	0.8617436		16.7	20
2,4,6-Tribromophenol	A	100.0	119.0	0.1549393	0.184394		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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E12807	Injection Date:	05/01/12
Lab Sample ID:	2E12807-CCV2	Injection Time:	16:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	53.31	1.686615	1.79828		6.6	20
Atrazine	A	50.00	54.81	0.1885435	0.2066787		9.6	20
Benzaldehyde	A	50.00	54.68	1.096725	1.199438		9.4	20
Benzidine	A	50.00	57.03	0.7040108	0.8029634		14.1	20
1,1-Biphenyl	A	50.00	49.82	1.517387	1.512038		-0.4	20
Caprolactam	A	50.00	53.76	9.763391E-02	0.1049711		7.5	20
3,3'-Dichlorobenzidine	A	50.00	51.31	0.4336178	0.4449464		2.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV1	Injection Time:	08:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	45.95	1.227044	1.127747		-8.1	20
Acenaphthylene	A	50.00	46.86	1.852065	1.735724		-6.3	20
Anthracene	A	50.00	46.28	1.133012	1.048804		-7.4	20
Benzo(a)anthracene	A	50.00	48.17	1.103689	1.063383		-3.7	20
Benzo(a)pyrene	A	50.00	49.24	1.023811	1.008321		-1.5	20
Benzo(b)fluoranthene	A	50.00	49.40	1.0754	1.062463		-1.2	20
Benzo(g,h,i)perylene	A	50.00	47.47	1.01249	0.9612563		-5.1	20
Benzoic acid	L	50.00	40.76	0.1648649	0.1469464		-18.5	20
Benzo(k)fluoranthene	A	50.00	45.20	1.219317	1.102177		-9.6	20
4-Bromophenyl-phenylether	A	50.00	45.34	0.2337657	0.2119933		-9.3	20
Butylbenzylphthalate	A	50.00	54.74	0.4859791	0.5320138		9.5	20
Carbazole	A	50.00	46.42	1.0754	0.9984657		-7.2	20
4-Chloro-3-methylphenol	A	50.00	46.92	0.2837354	0.2662824		-6.2	20
4-Chloroaniline	A	50.00	46.90	0.4371268	0.4100565		-6.2	20
Bis(2-chloroethoxy)methane	A	50.00	49.78	0.3933903	0.3916371		-0.4	20
Bis(2-chloroethyl)ether	A	50.00	49.84	1.211893	1.208034		-0.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	58.79	1.445655	1.699876		17.6	20
2-Chloronaphthalene	A	50.00	46.36	1.153308	1.069232		-7.3	20
2-Chlorophenol	A	50.00	48.17	1.325446	1.277016		-3.7	20
4-Chlorophenyl phenyl ether	A	50.00	43.18	0.6302053	0.5442608		-13.6	20
Chrysene	A	50.00	45.75	1.078355	0.9866441		-8.5	20
Dibenz(a,h)anthracene	A	50.00	48.19	0.9600494	0.9253876		-3.6	20
Dibenzofuran	A	50.00	45.27	1.660029	1.502905		-9.5	20
Di-n-butylphthalate	A	50.00	49.58	1.17206	1.16217		-0.8	20
2,4-Dichlorophenol	A	50.00	46.00	0.2992222	0.2752633		-8.0	20
Diethylphthalate	A	50.00	46.67	1.275695	1.190737		-6.7	20
2,4-Dimethylphenol	A	50.00	45.38	0.3493162	0.3170064		-9.2	20
Dimethyl phthalate	A	50.00	45.45	1.296933	1.178814		-9.1	20
4,6-Dinitro-2-methylphenol	L	50.00	49.40	0.1014239	0.1227512		-1.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV1	Injection Time:	08:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	40.12	0.1068214	8.661183E-02	0.05	-19.8	20
2,4-Dinitrotoluene	A	50.00	51.29	0.3721936	0.381818		2.6	20
2,6-Dinitrotoluene	A	50.00	48.89	0.2865519	0.2801702		-2.2	20
Di-n-octylphthalate	L	50.00	54.07	0.985916	1.200264		8.1	20
1,2-Diphenylhydrazine	A	50.00	49.60	0.71551	0.7097732		-0.8	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.20	0.661211	0.7299365		10.4	20
Fluoranthene	A	50.00	44.76	1.205185	1.079026		-10.5	20
Fluorene	A	50.00	45.93	1.348421	1.238744		-8.1	20
Hexachlorobenzene	A	50.00	43.28	0.2536304	0.2195458		-13.4	20
Hexachlorobutadiene	A	50.00	41.62	0.1878288	0.1563568		-16.8	20
Hexachlorocyclopentadiene	A	50.00	49.95	0.327255	0.3269417	0.05	-0.1	20
Hexachloroethane	A	50.00	46.52	0.5456498	0.5077317		-6.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	48.84	1.163862	1.13697		-2.3	20
Isophorone	A	50.00	49.30	0.6138195	0.6052773		-1.4	20
1-Methylnaphthalene	A	50.00	45.04	0.6003693	0.5407627		-9.9	20
2-Methylnaphthalene	A	50.00	45.70	0.6066831	0.5545276		-8.6	20
2-Methylphenol	A	50.00	47.50	1.166012	1.10774		-5.0	20
3-Methylphenol/4-Methylphenol	A	50.00	47.81	1.216621	1.163322		-4.4	20
Naphthalene	A	50.00	45.21	1.06258	0.96087		-9.6	20
4-Nitroaniline	A	50.00	48.84	0.3073451	0.3001881		-2.3	20
3-Nitroaniline	A	50.00	49.32	0.3457032	0.3409851		-1.4	20
2-Nitroaniline	A	50.00	56.48	0.2776535	0.3136466		13.0	20
Nitrobenzene	A	50.00	47.61	0.3476709	0.3310723		-4.8	20
4-Nitrophenol	L	50.00	49.80	0.184079	0.2063549	0.05	-0.4	20
2-Nitrophenol	A	50.00	53.28	0.1761745	0.1877272		6.6	20
N-Nitrosodiphenylamine	A	50.00	46.90	0.6837896	0.6414405		-6.2	20
N-Nitroso-di-n-propylamine	A	50.00	50.15	0.8384396	0.8409561	0.05	0.3	20
Pentachlorophenol	L	50.00	46.62	0.1571575	0.1622374		-6.8	20
Phenanthrene	A	50.00	45.50	1.133604	1.0316		-9.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV1	Injection Time:	08:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	52.90	1.559627	1.650235		5.8	20
Pyrene	A	50.00	47.21	1.220824	1.152778		-5.6	20
2,4,6-Trichlorophenol	A	50.00	49.94	0.3611826	0.3607793		-0.1	20
2,4,5-Trichlorophenol	A	50.00	48.64	0.3737015	0.3635341		-2.7	20
2-Fluorobiphenyl	A	50.00	50.49	1.271699	1.284119		1.0	20
2-Fluorophenol	A	100.0	94.26	1.156679	1.090344		-5.7	20
Nitrobenzene-d5	A	50.00	53.55	0.3178558	0.3404186		7.1	20
Phenol-d6	A	100.0	99.75	1.455658	1.452008		-0.3	20
Terphenyl-d14	A	50.00	50.51	0.7343801	0.741868		1.0	20
2,4,6-Tribromophenol	A	100.0	93.98	0.1167875	0.109761		-6.0	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_051
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:	2E12911	Injection Date:	05/04/12
Lab Sample ID:	2E12911-CCV2	Injection Time:	09:18

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	47.42	1.643122	1.558487		-5.2	20
Atrazine	A	50.00	50.26	0.1980708	0.1990993		0.5	20
Benzaldehyde	A	50.00	48.10	0.9775285	0.9404633		-3.8	20
Benzidine	A	50.00	70.80	0.5995572	0.8489591		41.6	20 *
1,1-Biphenyl	A	50.00	47.04	1.520101	1.429978		-5.9	20
Caprolactam	L	50.00	48.40	8.993659E-02	9.516482E-02		-3.2	20
3,3'-Dichlorobenzidine	A	50.00	57.17	0.3834744	0.4384758		14.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV1	Injection Time:	13:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.74	1.190308	1.207905		1.5	20
Acenaphthylene	A	50.00	50.83	2.029734	2.063316		1.7	20
Anthracene	A	50.00	53.46	1.167748	1.248667		6.9	20
Benzo(a)anthracene	A	50.00	49.24	1.118885	1.101784		-1.5	20
Benzo(a)pyrene	A	50.00	50.71	1.040254	1.054953		1.4	20
Benzo(b)fluoranthene	A	50.00	49.80	1.127632	1.123037		-0.4	20
Benzo(g,h,i)perylene	A	50.00	52.63	0.9987589	1.051224		5.3	20
Benzoic acid	L	50.00	49.30	0.1880573	0.2046534		-1.4	20
Benzo(k)fluoranthene	A	50.00	51.50	1.228217	1.265153		3.0	20
4-Bromophenyl-phenylether	A	50.00	54.04	0.2284164	0.2468859		8.1	20
Butylbenzylphthalate	A	50.00	46.01	0.6541472	0.6018992		-8.0	20
Carbazole	A	50.00	51.30	1.10953	1.138282		2.6	20
4-Chloro-3-methylphenol	A	50.00	52.07	0.2714182	0.2826587		4.1	20
4-Chloroaniline	A	50.00	53.94	0.4318974	0.4659748		7.9	20
Bis(2-chloroethoxy)methane	A	50.00	52.02	0.4150089	0.4317935		4.0	20
Bis(2-chloroethyl)ether	A	50.00	48.96	1.459053	1.428592		-2.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.66	2.083033	2.152291		3.3	20
2-Chloronaphthalene	A	50.00	51.33	1.218663	1.251149		2.7	20
2-Chlorophenol	A	50.00	49.37	1.452952	1.434778		-1.3	20
4-Chlorophenyl phenyl ether	A	50.00	54.50	0.6281961	0.6846786		9.0	20
Chrysene	A	50.00	51.03	1.034442	1.055768		2.1	20
Dibenz(a,h)anthracene	A	50.00	52.41	1.046285	1.096639		4.8	20
Dibenzofuran	A	50.00	51.56	1.723255	1.777066		3.1	20
Di-n-butylphthalate	A	50.00	50.19	1.45114	1.456709		0.4	20
2,4-Dichlorophenol	A	50.00	53.14	0.2700588	0.287037		6.3	20
Diethylphthalate	A	50.00	50.91	1.388912	1.41424		1.8	20
2,4-Dimethylphenol	A	50.00	52.31	0.3308702	0.346138		4.6	20
Dimethyl phthalate	A	50.00	50.88	1.341949	1.365639		1.8	20
4,6-Dinitro-2-methylphenol	Q	50.00	57.59	0.108535	0.1406616		15.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV1	Injection Time:	13:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	Q	50.00	59.52	0.1194553	0.1572616	0.05	19.0	20
2,4-Dinitrotoluene	L	50.00	51.25	0.3843431	0.4475635		2.5	20
2,6-Dinitrotoluene	A	50.00	55.21	0.3241444	0.357921		10.4	20
Di-n-octylphthalate	A	50.00	44.14	1.505078	1.328803		-11.7	20
1,2-Diphenylhydrazine	A	50.00	53.52	0.8384567	0.8975477		7.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	48.02	0.8896098	0.8543449		-4.0	20
Fluoranthene	A	50.00	51.92	1.117006	1.159915		3.8	20
Fluorene	A	50.00	51.48	1.432003	1.474528		3.0	20
Hexachlorobenzene	A	50.00	55.90	0.2784884	0.3113629		11.8	20
Hexachlorobutadiene	A	50.00	55.71	0.1568991	0.1748298		11.4	20
Hexachlorocyclopentadiene	A	50.00	58.85	0.3416666	0.4021445	0.05	17.7	20
Hexachloroethane	A	50.00	50.10	0.6290616	0.6303268		0.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.34	1.182562	1.237873		4.7	20
Isophorone	A	50.00	52.18	0.6606909	0.6895446		4.4	20
1-Methylnaphthalene	A	50.00	50.89	0.5093698	0.5184525		1.8	20
2-Methylnaphthalene	A	50.00	50.86	0.5247824	0.5338019		1.7	20
2-Methylphenol	A	50.00	49.01	1.327107	1.300796		-2.0	20
3-Methylphenol/4-Methylphenol	A	50.00	48.53	1.35859	1.318572		-2.9	20
Naphthalene	L	50.00	52.61	1.031178	1.111553		5.2	20
4-Nitroaniline	A	50.00	52.52	0.3668212	0.3852882		5.0	20
3-Nitroaniline	A	50.00	53.19	0.3938478	0.4189476		6.4	20
2-Nitroaniline	A	50.00	56.93	0.3020105	0.3438749		13.9	20
Nitrobenzene	A	50.00	53.44	0.3259946	0.3484194		6.9	20
4-Nitrophenol	A	50.00	56.56	0.2038753	0.2306051	0.05	13.1	20
2-Nitrophenol	A	50.00	56.10	0.1757215	0.1971533		12.2	20
N-Nitrosodiphenylamine	A	50.00	51.36	0.689474	0.7082175		2.7	20
N-Nitroso-di-n-propylamine	A	50.00	50.55	0.9270794	0.9373653	0.05	1.1	20
Pentachlorophenol	A	50.00	56.86	0.1749019	0.1989139		13.7	20
Phenanthrene	A	50.00	53.74	1.146315	1.232047		7.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV1	Injection Time:	13:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	47.99	1.878943	1.803397		-4.0	20
Pyrene	A	50.00	48.99	1.289082	1.263083		-2.0	20
2,4,6-Trichlorophenol	A	50.00	52.55	0.3946008	0.4147306		5.1	20
2,4,5-Trichlorophenol	A	50.00	53.35	0.4038871	0.4309519		6.7	20
2-Fluorobiphenyl	A	50.00	57.28	1.277066	1.463046		14.6	20
2-Fluorophenol	A	100.0	100.0	1.345166	1.345255		0.007	20
Nitrobenzene-d5	A	50.00	60.79	0.2830395	0.344135		21.6	20 *
Phenol-d6	A	100.0	99.17	1.822662	1.807472		-0.8	20
Terphenyl-d14	A	50.00	55.06	0.7381191	0.812787		10.1	20
2,4,6-Tribromophenol	A	100.0	122.8	0.1549393	0.1902887		22.8	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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2121007
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/27/12 00:00
Sequence:	2E13010	Injection Date:	05/08/12
Lab Sample ID:	2E13010-CCV2	Injection Time:	13:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	49.83	1.686615	1.68081		-0.3	20
Atrazine	A	50.00	49.52	0.1885435	0.1867402		-1.0	20
Benzaldehyde	A	50.00	50.81	1.096725	1.114412		1.6	20
Benzidine	A	50.00	55.45	0.7040108	0.7807503		10.9	20
1,1-Biphenyl	A	50.00	47.59	1.517387	1.444251		-4.8	20
Caprolactam	A	50.00	46.25	9.763391E-02	9.031816E-02		-7.5	20
3,3'-Dichlorobenzidine	A	50.00	51.35	0.4336178	0.4453105		2.7	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_051

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

Matrix: Laboratory ID: 2D26007-BLK1 File ID: D26007B1.D

Sampled: Prepared: Analyzed: 04/27/12 14:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D26007 Sequence: 2D12107 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	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	X, U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26007-BLK1 File ID: D26007B1.D

Sampled: Prepared: Analyzed: 04/27/12 14:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D26007 Sequence: 2D12107 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	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	37.56	75.1	50 - 110	
2-Fluorophenol	100.0	28.34	28.3	20 - 110	
Nitrobenzene-d5	50.00	36.46	72.9	40 - 110	
Phenol-d6	100.0	17.28	17.3	0 - 110	
Terphenyl-d14	50.00	45.06	90.1	50 - 135	
2,4,6-Tribromophenol	100.0	67.02	67.0	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2D26007-BS1 | File ID: D26007L1.D

Sampled: | Prepared: | Analyzed: 04/28/12 11:32

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D26007 | Sequence: 2D12113 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	40.07	1.25	2.50	5.00	
208-96-8	Acenaphthylene	40.76	1.25	2.50	5.00	
98-86-2	Acetophenone	41.76	1.25	2.50	5.00	
120-12-7	Anthracene	42.72	1.25	2.50	5.00	
1912-24-9	Atrazine	43.69	1.25	2.50	5.00	
100-52-7	Benzaldehyde	41.36	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	43.63	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	43.59	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	47.06	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	44.36	1.25	2.50	5.00	
65-85-0	Benzoic acid	26.23	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	39.88	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	42.10	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	45.07	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	50.79	1.25	2.50	5.00	
105-60-2	Caprolactam	10.39	1.25	2.50	5.00	
86-74-8	Carbazole	39.93	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	79.47	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	33.39	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	41.12	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	39.09	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	36.34	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	39.51	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	71.75	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	42.75	1.25	2.50	5.00	
218-01-9	Chrysene	43.68	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	45.58	1.25	2.50	5.00	
132-64-9	Dibenzofuran	41.31	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	45.87	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	46.71	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	80.08	1.25	2.50	5.00	
84-66-2	Diethylphthalate	44.13	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	77.39	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	44.13	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	95.10	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	84.24	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	46.91	1.25	2.50	5.00	X
606-20-2	2,6-Dinitrotoluene	44.96	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	49.28	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26007-BS1 File ID: D26007L1.D

Sampled: Prepared: Analyzed: 04/28/12 11:32

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D26007 Sequence: 2D12113 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	38.29	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	50.75	1.25	2.50	5.00	X
206-44-0	Fluoranthene	42.26	1.25	2.50	5.00	
86-73-7	Fluorene	42.05	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	41.05	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	41.04	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	40.80	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	35.73	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	45.21	1.25	2.50	5.00	
78-59-1	Isophorone	36.61	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.77	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	39.88	1.25	2.50	5.00	
95-48-7	2-Methylphenol	60.22	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	55.09	1.25	2.50	5.00	
91-20-3	Naphthalene	38.84	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	42.00	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	35.38	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	42.07	5.00	10.0	20.0	
98-95-3	Nitrobenzene	38.14	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	28.19	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	87.57	1.25	2.50	5.00	X
86-30-6	N-Nitrosodiphenylamine	36.14	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	41.09	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	87.36	5.00	10.0	20.0	
85-01-8	Phenanthrene	42.52	1.25	2.50	5.00	
108-95-2	Phenol	26.33	1.25	2.50	5.00	
129-00-0	Pyrene	43.04	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	85.99	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	88.75	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.00	86.0	50 - 110	
2-Fluorophenol	100.0	42.66	42.7	20 - 110	
Nitrobenzene-d5	50.00	41.17	82.3	40 - 110	
Phenol-d6	100.0	24.59	24.6	0 - 110	
Terphenyl-d14	50.00	48.44	96.9	50 - 135	
2,4,6-Tribromophenol	100.0	91.75	91.7	40 - 125	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26007-MS1 File ID: 0413903M.D

Sampled: Prepared: Analyzed: 04/27/12 19:13

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D26007 Sequence: 2D12107 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	36.27	1.20	2.40	4.81	
208-96-8	Acenaphthylene	37.28	1.20	2.40	4.81	
98-86-2	Acetophenone	36.78	1.20	2.40	4.81	
120-12-7	Anthracene	39.16	1.20	2.40	4.81	
1912-24-9	Atrazine	41.02	1.20	2.40	4.81	
100-52-7	Benzaldehyde	35.90	1.20	2.40	4.81	
92-87-5	Benzidine		12.0	24.0	48.1	X, U
56-55-3	Benzo(a)anthracene	40.62	1.20	2.40	4.81	
50-32-8	Benzo(a)pyrene	39.79	1.20	2.40	4.81	
205-99-2	Benzo(b)fluoranthene	41.57	1.20	2.40	4.81	
191-24-2	Benzo(g,h,i)perylene	40.62	1.20	2.40	4.81	
65-85-0	Benzoic acid	26.66	12.0	24.0	48.1	J
207-08-9	Benzo(k)fluoranthene	37.48	1.20	2.40	4.81	
92-52-4	1,1-Biphenyl	37.83	1.20	2.40	4.81	
101-55-3	4-Bromophenyl-phenylether	40.67	1.20	2.40	4.81	
85-68-7	Butylbenzylphthalate	48.96	1.20	2.40	4.81	
105-60-2	Caprolactam	9.772	1.20	2.40	4.81	
86-74-8	Carbazole	36.97	1.20	2.40	4.81	
59-50-7	4-Chloro-3-methylphenol	74.07	1.20	2.40	4.81	
106-47-8	4-Chloroaniline	30.88	1.20	2.40	4.81	
111-91-1	Bis(2-chloroethoxy)methane	37.80	1.20	2.40	4.81	
111-44-4	Bis(2-chloroethyl)ether	34.01	1.20	2.40	4.81	
108-60-1	2,2'-Oxybis-1-chloropropane	32.06	1.20	2.40	4.81	
91-58-7	2-Chloronaphthalene	35.91	1.20	2.40	4.81	
95-57-8	2-Chlorophenol	61.66	1.20	2.40	4.81	
7005-72-3	4-Chlorophenyl phenyl ether	39.00	1.20	2.40	4.81	
218-01-9	Chrysene	40.89	1.20	2.40	4.81	
53-70-3	Dibenz(a,h)anthracene	42.02	1.20	2.40	4.81	
132-64-9	Dibenzofuran	37.43	1.20	2.40	4.81	
84-74-2	Di-n-butylphthalate	42.75	1.20	2.40	4.81	
91-94-1	3,3'-Dichlorobenzidine	43.89	1.20	2.40	4.81	
120-83-2	2,4-Dichlorophenol	73.00	1.20	2.40	4.81	
84-66-2	Diethylphthalate	40.25	1.20	2.40	4.81	
105-67-9	2,4-Dimethylphenol	69.57	4.81	9.62	19.2	
131-11-3	Dimethyl phthalate	40.78	1.20	2.40	4.81	
534-52-1	4,6-Dinitro-2-methylphenol	89.07	4.81	9.62	19.2	
51-28-5	2,4-Dinitrophenol	81.73	0.962	24.0	48.1	
121-14-2	2,4-Dinitrotoluene	43.67	1.20	2.40	4.81	X
606-20-2	2,6-Dinitrotoluene	41.23	1.20	2.40	4.81	
117-84-0	Di-n-octylphthalate	46.80	1.20	2.40	4.81	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26007-MS1 File ID: 0413903M.D

Sampled: Prepared: Analyzed: 04/27/12 19:13

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D26007 Sequence: 2D12107 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	35.24	1.20	2.40	4.81	
117-81-7	Bis(2-ethylhexyl)phthalate	48.96	1.20	2.40	4.81	X
206-44-0	Fluoranthene	39.03	1.20	2.40	4.81	
86-73-7	Fluorene	38.32	1.20	2.40	4.81	
118-74-1	Hexachlorobenzene	38.58	1.20	2.40	4.81	
87-68-3	Hexachlorobutadiene	36.01	1.20	2.40	4.81	
77-47-4	Hexachlorocyclopentadiene	36.82	1.20	2.40	4.81	X
67-72-1	Hexachloroethane	29.98	1.20	2.40	4.81	
193-39-5	Indeno(1,2,3-cd)pyrene	42.07	1.20	2.40	4.81	
78-59-1	Isophorone	34.47	1.20	2.40	4.81	
90-12-0	1-Methylnaphthalene	37.71	1.20	2.40	4.81	
91-57-6	2-Methylnaphthalene	36.62	1.20	2.40	4.81	
95-48-7	2-Methylphenol	52.33	1.20	2.40	4.81	
108-39-4/106	3-Methylphenol/4-Methylphenol	48.48	1.20	2.40	4.81	
91-20-3	Naphthalene	35.30	1.20	2.40	4.81	
100-01-6	4-Nitroaniline	39.84	4.81	9.62	19.2	
99-09-2	3-Nitroaniline	33.16	4.81	9.62	19.2	
88-74-4	2-Nitroaniline	39.71	4.81	9.62	19.2	
98-95-3	Nitrobenzene	33.99	1.20	2.40	4.81	
100-02-7	4-Nitrophenol	27.61	4.81	9.62	19.2	
88-75-5	2-Nitrophenol	80.82	1.20	2.40	4.81	X
86-30-6	N-Nitrosodiphenylamine	32.71	1.20	2.40	4.81	
621-64-7	N-Nitroso-di-n-propylamine	36.52	1.20	2.40	4.81	
87-86-5	Pentachlorophenol	81.59	4.81	9.62	19.2	
85-01-8	Phenanthrene	38.83	1.20	2.40	4.81	
108-95-2	Phenol	22.81	1.20	2.40	4.81	
129-00-0	Pyrene	40.26	1.20	2.40	4.81	
88-06-2	2,4,6-Trichlorophenol	78.12	1.20	2.40	4.81	
95-95-4	2,4,5-Trichlorophenol	81.93	1.20	2.40	4.81	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	37.82	78.7	50 - 110	
2-Fluorophenol	96.15	36.45	37.9	20 - 110	
Nitrobenzene-d5	48.08	36.22	75.3	40 - 110	
Phenol-d6	96.15	21.39	22.2	0 - 110	
Terphenyl-d14	48.08	45.06	93.7	50 - 135	
2,4,6-Tribromophenol	96.15	82.95	86.3	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26007-MSD1 File ID: 0413903S.D

Sampled: Prepared: Analyzed: 04/27/12 19:41

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D26007 Sequence: 2D12107 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	35.47	1.25	2.50	5.00	
208-96-8	Acenaphthylene	36.46	1.25	2.50	5.00	
98-86-2	Acetophenone	34.86	1.25	2.50	5.00	
120-12-7	Anthracene	37.86	1.25	2.50	5.00	
1912-24-9	Atrazine	39.42	1.25	2.50	5.00	
100-52-7	Benzaldehyde	33.85	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	39.54	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	39.46	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	42.12	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	40.19	1.25	2.50	5.00	
65-85-0	Benzoic acid	21.53	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	36.25	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	36.59	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	39.68	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	47.29	1.25	2.50	5.00	
105-60-2	Caprolactam	9.339	1.25	2.50	5.00	
86-74-8	Carbazole	35.87	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	71.22	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	29.20	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	35.87	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	31.76	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	30.23	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	34.89	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	58.14	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	38.20	1.25	2.50	5.00	
218-01-9	Chrysene	39.76	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	39.98	1.25	2.50	5.00	
132-64-9	Dibenzofuran	36.45	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	41.47	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	42.42	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	69.23	1.25	2.50	5.00	
84-66-2	Diethylphthalate	39.67	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	65.53	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	39.71	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	83.52	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	77.63	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	42.74	1.25	2.50	5.00	X
606-20-2	2,6-Dinitrotoluene	40.61	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	46.05	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D26007-MSD1 File ID: 0413903S.D

Sampled: Prepared: Analyzed: 04/27/12 19:41

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D26007 Sequence: 2D12107 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	33.97	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	46.48	1.25	2.50	5.00	X
206-44-0	Fluoranthene	37.78	1.25	2.50	5.00	
86-73-7	Fluorene	37.38	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	37.05	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	34.90	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	34.97	1.25	2.50	5.00	X
67-72-1	Hexachloroethane	29.11	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	41.08	1.25	2.50	5.00	
78-59-1	Isophorone	32.69	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	36.03	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	35.24	1.25	2.50	5.00	
95-48-7	2-Methylphenol	48.85	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	45.09	1.25	2.50	5.00	
91-20-3	Naphthalene	33.35	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	38.90	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	33.15	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	37.99	5.00	10.0	20.0	
98-95-3	Nitrobenzene	32.08	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	25.03	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	75.99	1.25	2.50	5.00	X
86-30-6	N-Nitrosodiphenylamine	31.95	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	34.72	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	76.18	5.00	10.0	20.0	
85-01-8	Phenanthrene	37.88	1.25	2.50	5.00	
108-95-2	Phenol	21.25	1.25	2.50	5.00	
129-00-0	Pyrene	39.25	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	74.90	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	78.89	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.22	72.4	50 - 110	
2-Fluorophenol	100.0	32.51	32.5	20 - 110	
Nitrobenzene-d5	50.00	34.19	68.4	40 - 110	
Phenol-d6	100.0	18.97	19.0	0 - 110	
Terphenyl-d14	50.00	43.54	87.1	50 - 135	
2,4,6-Tribromophenol	100.0	79.36	79.4	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2D30008-BLK1 File ID: D30008B1.D

Sampled: Prepared: Analyzed: 05/01/12 16:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		1.00	25.0	50.0	Q, 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_051

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

Matrix: Laboratory ID: 2D30008-BLK1 File ID: D30008B1.D

Sampled: Prepared: Analyzed: 05/01/12 16:31

Solids: Preparation: EXT_3510 Dilution:

Batch: 2D30008 Sequence: 2E12807 Calibration: 2121007 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	32.88	65.8	50 - 110	
2-Fluorophenol	100.0	21.65	21.6	20 - 110	
Nitrobenzene-d5	50.00	33.22	66.4	40 - 110	
Phenol-d6	100.0	11.25	11.3	0 - 110	
Terphenyl-d14	50.00	40.13	80.3	50 - 135	
2,4,6-Tribromophenol	100.0	66.74	66.7	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2D30008-BS1
File ID: D30008L1.D
Sampled:
Prepared:
Analyzed: 05/01/12 16:59
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2D30008
Sequence: 2E12807
Calibration: 2121007
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.85	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.49	1.25	2.50	5.00	
98-86-2	Acetophenone	48.60	1.25	2.50	5.00	
120-12-7	Anthracene	48.39	1.25	2.50	5.00	
1912-24-9	Atrazine	50.08	1.25	2.50	5.00	
100-52-7	Benzaldehyde	48.18	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	47.37	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	46.17	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	49.09	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	49.71	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	47.44	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	47.32	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	50.76	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	48.27	1.25	2.50	5.00	
105-60-2	Caprolactam	8.789	1.25	2.50	5.00	
86-74-8	Carbazole	46.55	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	80.19	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	40.42	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.92	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	42.46	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	43.95	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	38.02	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	68.44	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	47.45	1.25	2.50	5.00	
218-01-9	Chrysene	51.20	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.94	1.25	2.50	5.00	
132-64-9	Dibenzofuran	43.02	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	50.20	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	47.90	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	88.58	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.89	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	86.62	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	46.16	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	91.39	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	43.58	1.00	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	43.94	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.90	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	46.47	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2D30008-BS1 | File ID: D30008L1.D

Sampled: | Prepared: | Analyzed: 05/01/12 16:59

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D30008 | Sequence: 2E12807 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.32	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	47.35	1.25	2.50	5.00	
206-44-0	Fluoranthene	50.28	1.25	2.50	5.00	
86-73-7	Fluorene	45.05	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	49.68	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	34.02	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	27.77	1.25	2.50	5.00	
67-72-1	Hexachloroethane	28.30	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	49.10	1.25	2.50	5.00	
78-59-1	Isophorone	41.76	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	38.36	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	35.71	1.25	2.50	5.00	
95-48-7	2-Methylphenol	54.58	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	49.88	1.25	2.50	5.00	
91-20-3	Naphthalene	37.17	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	43.28	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	37.64	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	46.88	5.00	10.0	20.0	
98-95-3	Nitrobenzene	43.97	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	25.08	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	92.54	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.52	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	46.64	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	105.8	5.00	10.0	20.0	E
85-01-8	Phenanthrene	49.87	1.25	2.50	5.00	
108-95-2	Phenol	22.39	1.25	2.50	5.00	
129-00-0	Pyrene	47.18	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	95.38	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	97.73	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.58	89.2	50 - 110	
2-Fluorophenol	100.0	36.88	36.9	20 - 110	
Nitrobenzene-d5	50.00	46.70	93.4	40 - 110	
Phenol-d6	100.0	20.24	20.2	0 - 110	
Terphenyl-d14	50.00	52.63	105	50 - 135	
2,4,6-Tribromophenol	100.0	97.26	97.3	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2D30008-BSD1 | File ID: D30008L2.D

Sampled: | Prepared: | Analyzed: 05/01/12 17:27

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2D30008 | Sequence: 2E12807 | Calibration: 2121007 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	40.49	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.02	1.25	2.50	5.00	
98-86-2	Acetophenone	43.46	1.25	2.50	5.00	
120-12-7	Anthracene	47.73	1.25	2.50	5.00	
1912-24-9	Atrazine	50.06	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.21	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	50.42	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.12	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	51.44	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	50.40	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	49.32	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.39	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	52.86	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	52.28	1.25	2.50	5.00	
105-60-2	Caprolactam	8.471	1.25	2.50	5.00	
86-74-8	Carbazole	48.78	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	80.14	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	34.28	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	40.94	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	37.27	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	39.53	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	39.48	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	60.98	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.71	1.25	2.50	5.00	
218-01-9	Chrysene	53.18	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	50.37	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.43	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	53.62	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	49.81	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	79.06	1.25	2.50	5.00	
84-66-2	Diethylphthalate	51.89	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	76.41	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	50.46	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	98.82	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	67.31	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	49.05	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	47.43	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	49.22	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2D30008-BSD1
File ID: D30008L2.D
Sampled:
Prepared:
Analyzed: 05/01/12 17:27
Solids:
Preparation: EXT_3510
Dilution:
Batch: 2D30008
Sequence: 2E12807
Calibration: 2121007
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	44.31	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	50.63	1.25	2.50	5.00	
206-44-0	Fluoranthene	50.86	1.25	2.50	5.00	
86-73-7	Fluorene	46.60	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	51.08	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	33.43	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	30.32	1.25	2.50	5.00	
67-72-1	Hexachloroethane	27.28	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	50.92	1.25	2.50	5.00	
78-59-1	Isophorone	37.10	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	37.54	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	35.53	1.25	2.50	5.00	
95-48-7	2-Methylphenol	48.43	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	46.04	1.25	2.50	5.00	
91-20-3	Naphthalene	35.27	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	47.95	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	40.08	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.90	5.00	10.0	20.0	
98-95-3	Nitrobenzene	38.94	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.40	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	83.20	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	40.99	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	42.56	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	112.3	5.00	10.0	20.0	E
85-01-8	Phenanthrene	51.51	1.25	2.50	5.00	
108-95-2	Phenol	19.55	1.25	2.50	5.00	
129-00-0	Pyrene	49.91	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	92.53	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	95.83	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.55	87.1	50 - 110	
2-Fluorophenol	100.0	31.64	31.6	20 - 110	
Nitrobenzene-d5	50.00	41.81	83.6	40 - 110	
Phenol-d6	100.0	17.86	17.9	0 - 110	
Terphenyl-d14	50.00	56.38	113	50 - 135	
2,4,6-Tribromophenol	100.0	102.3	102	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E01006-BLK1 File ID: E01006B2.D

Sampled: Prepared: Analyzed: 05/04/12 10:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E01006 Sequence: 2E12911 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	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_051

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

Matrix: Laboratory ID: 2E01006-BLK1 File ID: E01006B2.D

Sampled: Prepared: Analyzed: 05/04/12 10:14

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E01006 Sequence: 2E12911 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	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	39.83	79.7	50 - 110	
2-Fluorophenol	100.0	33.20	33.2	20 - 110	
Nitrobenzene-d5	50.00	39.77	79.5	40 - 110	
Phenol-d6	100.0	19.33	19.3	0 - 110	
Terphenyl-d14	50.00	52.21	104	50 - 135	
2,4,6-Tribromophenol	100.0	75.08	75.1	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2E01006-BS1 | File ID: E01006L1.D

Sampled: | Prepared: | Analyzed: 05/04/12 10:41

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E01006 | Sequence: 2E12911 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	41.24	1.25	2.50	5.00	
208-96-8	Acenaphthylene	42.55	1.25	2.50	5.00	
98-86-2	Acetophenone	41.66	1.25	2.50	5.00	
120-12-7	Anthracene	45.40	1.25	2.50	5.00	
1912-24-9	Atrazine	47.58	1.25	2.50	5.00	
100-52-7	Benzaldehyde	42.99	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	47.87	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.06	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	50.52	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	46.93	1.25	2.50	5.00	
65-85-0	Benzoic acid	20.38	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	43.22	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	44.22	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	45.12	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	60.68	1.25	2.50	5.00	
105-60-2	Caprolactam	10.22	1.25	2.50	5.00	
86-74-8	Carbazole	43.59	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	77.41	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	36.41	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	47.06	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	43.69	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	50.14	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	40.71	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	70.04	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	41.96	1.25	2.50	5.00	
218-01-9	Chrysene	48.12	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	48.12	1.25	2.50	5.00	
132-64-9	Dibenzofuran	42.51	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	51.63	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	49.86	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	78.85	1.25	2.50	5.00	
84-66-2	Diethylphthalate	46.78	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	75.45	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	45.76	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	103.1	5.00	10.0	20.0	E
51-28-5	2,4-Dinitrophenol	87.48	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	50.07	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	45.61	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	58.38	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2E01006-BS1 | File ID: E01006L1.D

Sampled: | Prepared: | Analyzed: 05/04/12 10:41

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E01006 | Sequence: 2E12911 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	45.58	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	59.78	1.25	2.50	5.00	
206-44-0	Fluoranthene	45.79	1.25	2.50	5.00	
86-73-7	Fluorene	43.27	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	41.96	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	31.27	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	32.69	1.25	2.50	5.00	
67-72-1	Hexachloroethane	30.28	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	48.48	1.25	2.50	5.00	
78-59-1	Isophorone	40.12	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	40.15	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	38.48	1.25	2.50	5.00	
95-48-7	2-Methylphenol	56.46	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	50.75	1.25	2.50	5.00	
91-20-3	Naphthalene	38.29	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	47.34	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	41.18	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	51.75	5.00	10.0	20.0	
98-95-3	Nitrobenzene	39.88	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	29.27	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	90.01	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	38.57	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	44.11	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	90.60	5.00	10.0	20.0	
85-01-8	Phenanthrene	45.58	1.25	2.50	5.00	
108-95-2	Phenol	24.44	1.25	2.50	5.00	
129-00-0	Pyrene	48.11	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	90.03	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	92.81	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.34	86.7	50 - 110	
2-Fluorophenol	100.0	38.11	38.1	20 - 110	
Nitrobenzene-d5	50.00	43.73	87.5	40 - 110	
Phenol-d6	100.0	22.42	22.4	0 - 110	
Terphenyl-d14	50.00	52.22	104	50 - 135	
2,4,6-Tribromophenol	100.0	85.99	86.0	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_051

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

Matrix: | Laboratory ID: 2E01006-BSD1 | File ID: E01006L2.D

Sampled: | Prepared: | Analyzed: 05/04/12 11:09

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2E01006 | Sequence: 2E12911 | Calibration: 2069001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	38.43	1.25	2.50	5.00	
208-96-8	Acenaphthylene	39.26	1.25	2.50	5.00	
98-86-2	Acetophenone	37.70	1.25	2.50	5.00	
120-12-7	Anthracene	43.61	1.25	2.50	5.00	
1912-24-9	Atrazine	45.85	1.25	2.50	5.00	
100-52-7	Benzaldehyde	38.67	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	46.27	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	45.31	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	47.69	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	45.55	1.25	2.50	5.00	
65-85-0	Benzoic acid	19.86	12.5	25.0	50.0	J
207-08-9	Benzo(k)fluoranthene	43.44	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	40.73	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	43.58	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	57.19	1.25	2.50	5.00	
105-60-2	Caprolactam	10.18	1.25	2.50	5.00	
86-74-8	Carbazole	42.00	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	71.16	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	32.63	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	41.48	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	38.91	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	44.94	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	36.99	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	60.33	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	39.55	1.25	2.50	5.00	
218-01-9	Chrysene	46.10	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	46.56	1.25	2.50	5.00	
132-64-9	Dibenzofuran	39.25	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	49.47	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	48.43	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	67.39	1.25	2.50	5.00	
84-66-2	Diethylphthalate	45.22	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	66.42	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	43.91	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	86.08	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	72.47	1.00	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	47.79	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.39	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	56.74	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Matrix: Laboratory ID: 2E01006-BSD1 File ID: E01006L2.D

Sampled: Prepared: Analyzed: 05/04/12 11:09

Solids: Preparation: EXT_3510 Dilution:

Batch: 2E01006 Sequence: 2E12911 Calibration: 2069001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	43.15	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	56.30	1.25	2.50	5.00	
206-44-0	Fluoranthene	43.61	1.25	2.50	5.00	
86-73-7	Fluorene	41.06	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	40.50	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	27.79	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	27.98	1.25	2.50	5.00	
67-72-1	Hexachloroethane	26.90	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	46.92	1.25	2.50	5.00	
78-59-1	Isophorone	35.77	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	35.26	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	34.00	1.25	2.50	5.00	
95-48-7	2-Methylphenol	50.48	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	45.70	1.25	2.50	5.00	
91-20-3	Naphthalene	33.67	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	45.35	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	39.05	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	48.13	5.00	10.0	20.0	
98-95-3	Nitrobenzene	35.41	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	25.51	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	76.89	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.29	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	39.04	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	77.35	5.00	10.0	20.0	
85-01-8	Phenanthrene	43.70	1.25	2.50	5.00	
108-95-2	Phenol	22.66	1.25	2.50	5.00	
129-00-0	Pyrene	45.71	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	75.61	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	81.87	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.22	76.4	50 - 110	
2-Fluorophenol	100.0	31.79	31.8	20 - 110	
Nitrobenzene-d5	50.00	38.04	76.1	40 - 110	
Phenol-d6	100.0	19.46	19.5	0 - 110	
Terphenyl-d14	50.00	49.29	98.6	50 - 135	
2,4,6-Tribromophenol	100.0	77.52	77.5	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0541	04/23/12 12:36	04/24/12 08:20	04/26/12 13:51	3.01	7.00	04/27/12 15:05	1.05	40.00	
GW0542	04/23/12 10:24	04/24/12 08:20	04/26/12 13:51	3.10	7.00	04/27/12 15:33	1.07	40.00	
GW0620	04/23/12 09:54	04/24/12 08:20	04/26/12 13:51	3.12	7.00	04/27/12 16:00	1.09	40.00	
GW0621	04/23/12 09:54	04/24/12 08:20	04/26/12 13:51	3.12	7.00	04/27/12 16:28	1.11	40.00	
GW0622	04/23/12 12:59	04/24/12 08:20	04/26/12 13:51	2.99	7.00	04/27/12 16:55	1.13	40.00	
GW0540	04/23/12 15:00	04/25/12 08:35	04/26/12 13:51	2.91	7.00	04/27/12 18:18	1.19	40.00	
GW0558	04/24/12 10:17	04/25/12 08:35	04/26/12 13:51	2.11	7.00	04/27/12 18:46	1.20	40.00	
GW0559	04/24/12 13:25	04/25/12 08:35	04/26/12 13:51	1.98	7.00	04/27/12 20:09	1.26	40.00	
GW0566	04/24/12 11:06	04/25/12 08:35	04/26/12 13:51	2.07	7.00	04/27/12 20:36	1.28	40.00	
GW0567	04/24/12 13:26	04/25/12 08:35	04/26/12 13:51	1.98	7.00	04/27/12 21:04	1.30	40.00	
GW0568	04/24/12 13:26	04/25/12 08:35	04/26/12 13:51	1.98	7.00	04/27/12 21:31	1.32	40.00	
GW0619	04/23/12 15:31	04/25/12 08:35	04/26/12 13:51	2.89	7.00	04/27/12 21:59	1.34	40.00	
GW0557	04/24/12 16:08	04/26/12 08:20	04/30/12 14:25	5.89	7.00	05/01/12 17:54	1.15	40.00	
GW0569	04/24/12 15:45	04/26/12 08:20	04/30/12 14:25	5.90	7.00	05/01/12 18:22	1.16	40.00	
GW0571	04/25/12 13:47	04/26/12 08:20	04/30/12 14:25	4.98	7.00	05/01/12 18:49	1.18	40.00	
GW0572	04/25/12 11:20	04/26/12 08:20	04/30/12 14:25	5.09	7.00	05/01/12 19:17	1.20	40.00	
GW0574	04/25/12 11:31	04/26/12 08:20	04/30/12 14:25	5.08	7.00	05/01/12 19:44	1.22	40.00	
GW0575	04/25/12 14:05	04/26/12 08:20	04/30/12 14:25	4.97	7.00	05/01/12 20:11	1.24	40.00	
GW0514	04/26/12 10:50	04/27/12 08:20	04/30/12 14:25	4.11	7.00	05/01/12 21:33	1.30	40.00	
GW0514	04/26/12 10:50	04/27/12 08:20	04/30/12 14:25	4.11	7.00	05/08/12 15:39	8.05	40.00	
GW0515	04/26/12 14:38	04/27/12 08:20	05/02/12 12:28	5.87	7.00	05/04/12 12:04	1.98	40.00	
GW0573	04/25/12 16:17	04/27/12 08:20	04/30/12 14:25	4.88	7.00	05/01/12 22:00	1.32	40.00	
GW0594	04/26/12 13:47	04/27/12 08:20	05/02/12 12:28	5.90	7.00	05/04/12 12:32	2.00	40.00	
GW0595	04/26/12 11:36	04/27/12 08:20	05/02/12 12:28	5.99	7.00	05/04/12 13:00	2.02	40.00	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0530	04/27/12 15:48	04/28/12 08:30	05/02/12 12:28	4.82	7.00	05/04/12 13:28	2.04	40.00	
GW0531	04/27/12 13:50	04/28/12 08:30	05/02/12 12:28	4.90	7.00	05/04/12 13:56	2.06	40.00	
GW0532	04/27/12 11:33	04/28/12 08:30	05/02/12 12:28	5.00	7.00	05/04/12 14:24	2.08	40.00	
GW0593	04/26/12 16:08	04/28/12 08:30	05/02/12 12:28	5.81	7.00	05/04/12 14:52	2.10	40.00	

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12207	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12207-CCV1	003F0301.D	04/30/12 09:40
Blank	2D27002-BLK1	004F0401.D	04/30/12 10:13
LCS	2D27002-BS1	005F0501.D	04/30/12 10:47
GW0541	1204127-01	006F0601.D	04/30/12 11:20
GW0542	1204127-03	007F0701.D	04/30/12 11:54
GW0620	1204127-05	008F0801.D	04/30/12 12:27
GW0621	1204127-07	009F0901.D	04/30/12 13:01
GW0622	1204127-09	010F1001.D	04/30/12 13:35
GW0540	1204139-01	011F1101.D	04/30/12 14:09
GW0558	1204139-03	012F1201.D	04/30/12 14:42
GW0558	2D27002-MS1	013F1301.D	04/30/12 15:16
GW0558	2D27002-MSD1	014F1401.D	04/30/12 15:50
GW0559	1204139-05	015F1501.D	04/30/12 16:24
GW0566	1204139-07	016F1601.D	04/30/12 16:57
GW0567	1204139-09	017F1701.D	04/30/12 17:31
Calibration Check	2E12207-CCV2	018F1801.D	04/30/12 18:04
GW0568	1204139-11	019F1901.D	04/30/12 18:38
GW0619	1204139-13	020F2001.D	04/30/12 19:11
GW0557	1204147-01	021F2101.D	04/30/12 19:45
GW0571	1204147-05	023F2301.D	04/30/12 20:51
GW0572	1204147-07	024F2401.D	04/30/12 21:24
GW0574	1204147-09	025F2501.D	04/30/12 21:58
GW0575	1204147-11	026F2601.D	04/30/12 22:31
Calibration Check	2E12207-CCV3	027F2701.D	04/30/12 23:04

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12407	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12407-CCV1	003F0301.D	05/01/12 14:15
GW0569	1204147-03RE1	004F0401.D	05/01/12 14:48
Calibration Check	2E12407-CCV2	005F0501.D	05/01/12 15:22

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12408	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12408-CCV1	003F0301.D	05/01/12 18:20
Blank	2E01003-BLK1	004F0401.D	05/01/12 18:53
LCS	2E01003-BS1	005F0501.D	05/01/12 19:27
LCS Dup	2E01003-BSD1	006F0601.D	05/01/12 20:00
GW0515	1204161-03	008F0801.D	05/01/12 21:06
GW0573	1204161-05	009F0901.D	05/01/12 21:39
GW0594	1204161-07	010F1001.D	05/01/12 22:13
GW0595	1204161-09	011F1101.D	05/01/12 22:46
GW0530	1204164-01	012F1201.D	05/01/12 23:19
GW0531	1204164-03	013F1301.D	05/01/12 23:53
GW0532	1204164-05	014F1401.D	05/02/12 00:26
GW0593	1204164-07	015F1501.D	05/02/12 00:59
Calibration Check	2E12408-CCV2	017F1701.D	05/02/12 02:06

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13005	Instrument:	GL-GCFID2
Calibration:	2102003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E13005-CCV1	004F0401.D	05/08/12 17:34
GW0514	1204161-01RE1	018F1901.D	05/09/12 01:51
Calibration Check	2E13005-CCV2	019F1901.D	05/09/12 09:01

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01	File ID:	006F0601.D
Sampled:	04/23/12 12:36	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 11:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01528	77.9	30 - 140	

ANALYSIS DATA SHEET

GW0542

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-03	File ID:	007F0701.D
Sampled:	04/23/12 10:24	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 11:54
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01734	88.4	30 - 140	

ANALYSIS DATA SHEET

GW0620

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-05	File ID:	008F0801.D
Sampled:	04/23/12 09:54	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 12:27
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01738	86.9	30 - 140	

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07	File ID:	009F0901.D
Sampled:	04/23/12 09:54	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 13:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01889	94.4	30 - 140	

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09	File ID:	010F1001.D
Sampled:	04/23/12 12:59	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 13:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01644	82.2	30 - 140	

ANALYSIS DATA SHEET

GW0540

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01	File ID:	011F1101.D
Sampled:	04/23/12 15:00	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 14:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01710	85.5	30 - 140	

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03	File ID:	012F1201.D
Sampled:	04/24/12 10:17	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 14:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01590	79.5	30 - 140	

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05	File ID:	015F1501.D
Sampled:	04/24/12 13:25	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 16:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0971	0.0971	0.0971	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01942	0.01915	98.6	30 - 140	

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07	File ID:	016F1601.D
Sampled:	04/24/12 11:06	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 16:57
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0971	0.0971	0.0971	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01942	0.01451	74.7	30 - 140	

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09	File ID:	017F1701.D
Sampled:	04/24/12 13:26	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 17:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0952	0.0952	0.0952	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.01591	83.6	30 - 140	

ANALYSIS DATA SHEET

GW0568

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11	File ID:	019F1901.D
Sampled:	04/24/12 13:26	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 18:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01545	77.3	30 - 140	

ANALYSIS DATA SHEET

GW0619

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13	File ID:	020F2001.D
Sampled:	04/23/12 15:31	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 19:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01632	81.6	30 - 140	

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01	File ID:	021F2101.D
Sampled:	04/24/12 16:08	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 19:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01323	66.8	30 - 140	

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03RE1	File ID:	004F0401.D
Sampled:	04/24/12 15:45	Prepared:	04/27/12 10:28	Analyzed:	05/01/12 14:48
Solids:		Preparation:	EXT_3510	Dilution:	5

Batch: 2D27002 Sequence: 2E12407 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	14.2	0.500	0.500	0.500	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02140	107	30 - 140	

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05	File ID:	023F2301.D
Sampled:	04/25/12 13:47	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 20:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	2.27	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01740	87.0	30 - 140	

ANALYSIS DATA SHEET

GW0572

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07	File ID:	024F2401.D
Sampled:	04/25/12 11:20	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 21:24
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01496	74.8	30 - 140	

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09	File ID:	025F2501.D
Sampled:	04/25/12 11:31	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 21:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 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	0.01622	82.7	30 - 140	

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11	File ID:	026F2601.D
Sampled:	04/25/12 14:05	Prepared:	04/27/12 10:28	Analyzed:	04/30/12 22:31
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2D27002 Sequence: 2E12207 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.111	0.111	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01839	82.7	30 - 140	

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01RE1	File ID:	018F1901.D
Sampled:	04/26/12 10:50	Prepared:	05/01/12 13:08	Analyzed:	05/09/12 01:51
Solids:		Preparation:	EXT_3510	Dilution:	20

Batch: 2E01003 Sequence: 2E13005 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	84.3	1.92	3.85	7.69	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.02526	131	30 - 140	

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03	File ID:	008F0801.D
Sampled:	04/26/12 14:38	Prepared:	05/01/12 13:08	Analyzed:	05/01/12 21:06
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 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	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01486	78.7	30 - 140	

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05	File ID:	009F0901.D
Sampled:	04/25/12 16:17	Prepared:	05/01/12 13:08	Analyzed:	05/01/12 21:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	2.40	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01818	96.3	30 - 140	

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07	File ID:	010F1001.D
Sampled:	04/26/12 13:47	Prepared:	05/01/12 13:08	Analyzed:	05/01/12 22:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.445	0.0980	0.196	0.392	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01603	81.8	30 - 140	

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09	File ID:	011F1101.D
Sampled:	04/26/12 11:36	Prepared:	05/01/12 13:08	Analyzed:	05/01/12 22:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 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	0.192	0.385	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01490	77.5	30 - 140	

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01	File ID:	012F1201.D
Sampled:	04/27/12 15:48	Prepared:	05/01/12 13:08	Analyzed:	05/01/12 23:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 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	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01515	80.3	30 - 140	

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03	File ID:	013F1301.D
Sampled:	04/27/12 13:50	Prepared:	05/01/12 13:08	Analyzed:	05/01/12 23:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0935	0.187	0.374	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01869	0.01415	75.7	30 - 140	

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05	File ID:	014F1401.D
Sampled:	04/27/12 11:33	Prepared:	05/01/12 13:08	Analyzed:	05/02/12 00:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 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	0.189	0.377	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01429	75.7	30 - 140	

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07	File ID:	015F1501.D
Sampled:	04/26/12 16:08	Prepared:	05/01/12 13:08	Analyzed:	05/02/12 00:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2E01003 Sequence: 2E12408 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.983	0.0943	0.189	0.377	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01633	86.5	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D27002	Laboratory ID:	2D27002-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	0.9267	92.7	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01003	Laboratory ID:	2E01003-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	0.8813	88.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.9291	92.9	5.28	50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D27002

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	ND	0.9631	96.3		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9901	0.9124	92.1	5.41		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D27002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/27/12 10:28	1,020.00	1.00
GW0542	1204127-03	04/27/12 10:28	1,020.00	1.00
GW0620	1204127-05	04/27/12 10:28	1,000.00	1.00
GW0621	1204127-07	04/27/12 10:28	1,000.00	1.00
GW0622	1204127-09	04/27/12 10:28	1,000.00	1.00
GW0540	1204139-01	04/27/12 10:28	1,000.00	1.00
GW0558	1204139-03	04/27/12 10:28	1,000.00	1.00
GW0559	1204139-05	04/27/12 10:28	1,030.00	1.00
GW0566	1204139-07	04/27/12 10:28	1,030.00	1.00
GW0567	1204139-09	04/27/12 10:28	1,050.00	1.00
GW0568	1204139-11	04/27/12 10:28	1,000.00	1.00
GW0619	1204139-13	04/27/12 10:28	1,000.00	1.00
GW0557	1204147-01	04/27/12 10:28	1,010.00	1.00
GW0569	1204147-03RE1	04/27/12 10:28	1,000.00	1.00
GW0571	1204147-05	04/27/12 10:28	1,000.00	1.00
GW0572	1204147-07	04/27/12 10:28	1,000.00	1.00
GW0574	1204147-09	04/27/12 10:28	1,020.00	1.00
GW0575	1204147-11	04/27/12 10:28	900.00	1.00
Blank	2D27002-BLK1	04/27/12 10:28	1,000.00	1.00
LCS	2D27002-BS1	04/27/12 10:28	1,000.00	1.00
GW0558	2D27002-MS1	04/27/12 10:28	1,000.00	1.00
GW0558	2D27002-MSD1	04/27/12 10:28	1,010.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E01003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0514	1204161-01RE1	05/01/12 13:08	1,040.00	1.00
GW0515	1204161-03	05/01/12 13:08	1,060.00	1.00
GW0573	1204161-05	05/01/12 13:08	1,060.00	1.00
GW0594	1204161-07	05/01/12 13:08	1,020.00	1.00
GW0595	1204161-09	05/01/12 13:08	1,040.00	1.00
GW0530	1204164-01	05/01/12 13:08	1,060.00	1.00
GW0531	1204164-03	05/01/12 13:08	1,070.00	1.00
GW0532	1204164-05	05/01/12 13:08	1,060.00	1.00
GW0593	1204164-07	05/01/12 13:08	1,060.00	1.00
Blank	2E01003-BLK1	05/01/12 13:08	1,000.00	1.00
LCS	2E01003-BS1	05/01/12 13:08	1,000.00	1.00
LCS Dup	2E01003-BSD1	05/01/12 13:08	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051	
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_051	
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_051
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_051
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:	2E12207	Injection Date:	04/30/12
Lab Sample ID:	2E12207-CCV1	Injection Time:	09:40

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	932.9	1107.363	1034.42		-6.7	20
o-Terphenyl	A	50.00	45.82	1493.02	1368.38		-8.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	018F1801.D	Calibration Date:	04/09/12 12:43
Sequence:	2E12207	Injection Date:	04/30/12
Lab Sample ID:	2E12207-CCV2	Injection Time:	18:04

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1003	1107.363	1113.381		0.3	20
o-Terphenyl	A	50.00	49.64	1493.02	1482.36		-0.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	027F2701.D	Calibration Date:	04/09/12 12:43
Sequence:	2E12207	Injection Date:	04/30/12
Lab Sample ID:	2E12207-CCV3	Injection Time:	23:04

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1070	1107.363	1189.53		7.0	20
o-Terphenyl	A	50.00	53.16	1493.02	1587.34		6.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12407	Injection Date:	05/01/12
Lab Sample ID:	2E12407-CCV1	Injection Time:	14:15

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1075	1107.363	1195.356		7.5	20
o-Terphenyl	A	50.00	52.97	1493.02	1581.78		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 DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	005F0501.D	Calibration Date:	04/09/12 12:43
Sequence:	2E12407	Injection Date:	05/01/12
Lab Sample ID:	2E12407-CCV2	Injection Time:	15:22

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1147	1107.363	1277.555		14.7	20
o-Terphenyl	A	50.00	55.91	1493.02	1669.44		11.8	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_051
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:	2E12408	Injection Date:	05/01/12
Lab Sample ID:	2E12408-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	1162	1107.363	1294.463		16.2	20
o-Terphenyl	A	50.00	56.47	1493.02	1686.18		12.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12408	Injection Date:	05/02/12
Lab Sample ID:	2E12408-CCV2	Injection Time:	02:06

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1177	1107.363	1311.785		17.7	20
o-Terphenyl	A	50.00	58.62	1493.02	1750.54		17.2	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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	004F0401.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13005	Injection Date:	05/08/12
Lab Sample ID:	2E13005-CCV1	Injection Time:	17:34

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	962.1	1107.363	1067.427		-3.8	20
o-Terphenyl	A	50.00	45.38	1493.02	1355.22		-9.2	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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2102003
Lab File ID:	019F1901.D	Calibration Date:	04/09/12 12:43
Sequence:	2E13005	Injection Date:	05/09/12
Lab Sample ID:	2E13005-CCV2	Injection Time:	09:01

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1102	1107.363	1226.084		10.2	20
o-Terphenyl	A	50.00	46.19	1493.02	1379.16		-7.6	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12207	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12207-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 04/30/12 09:40		
o-Terphenyl	50.00	91.6	80 - 120	11.346	11.346	0.0000	+/-0.050	
Blank (2D27002-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/30/12 10:13		
o-Terphenyl	0.02000	77.6	30 - 140	11.35	11.346	0.0040	+/-0.050	
LCS (2D27002-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 04/30/12 10:47		
o-Terphenyl	0.02000	97.7	30 - 140	11.333	11.346	-0.0130	+/-0.050	
GW0541 (1204127-01) mg/L				Lab File ID: 006F0601.D		Analyzed: 04/30/12 11:20		
o-Terphenyl	0.01961	77.9	30 - 140	11.363	11.346	0.0170	+/-0.050	
GW0542 (1204127-03) mg/L				Lab File ID: 007F0701.D		Analyzed: 04/30/12 11:54		
o-Terphenyl	0.01961	88.4	30 - 140	11.363	11.346	0.0170	+/-0.050	
GW0620 (1204127-05) mg/L				Lab File ID: 008F0801.D		Analyzed: 04/30/12 12:27		
o-Terphenyl	0.02000	86.9	30 - 140	11.346	11.346	0.0000	+/-0.050	
GW0621 (1204127-07) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/30/12 13:01		
o-Terphenyl	0.02000	94.4	30 - 140	11.336	11.346	-0.0100	+/-0.050	
GW0622 (1204127-09) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/30/12 13:35		
o-Terphenyl	0.02000	82.2	30 - 140	11.363	11.346	0.0170	+/-0.050	
GW0540 (1204139-01) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/30/12 14:09		
o-Terphenyl	0.02000	85.5	30 - 140	11.363	11.346	0.0170	+/-0.050	
GW0558 (1204139-03) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/30/12 14:42		
o-Terphenyl	0.02000	79.5	30 - 140	11.356	11.346	0.0100	+/-0.050	
Matrix Spike (2D27002-MS1) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/30/12 15:16		
o-Terphenyl	0.02000	103	30 - 140	11.36	11.346	0.0140	+/-0.050	
Matrix Spike Dup (2D27002-MSD1) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/30/12 15:50		
o-Terphenyl	0.01980	95.7	30 - 140	11.413	11.346	0.0670	+/-0.050	*
GW0559 (1204139-05) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/30/12 16:24		
o-Terphenyl	0.01942	98.6	30 - 140	11.42	11.346	0.0740	+/-0.050	*
GW0566 (1204139-07) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/30/12 16:57		
o-Terphenyl	0.01942	74.7	30 - 140	11.4	11.346	0.0540	+/-0.050	*
GW0567 (1204139-09) mg/L				Lab File ID: 017F1701.D		Analyzed: 04/30/12 17:31		
o-Terphenyl	0.01905	83.6	30 - 140	11.33	11.346	-0.0160	+/-0.050	
Calibration Check (2E12207-CCV2) mg/L				Lab File ID: 018F1801.D		Analyzed: 04/30/12 18:04		
o-Terphenyl	50.00	99.3	80 - 120	11.31	11.346	-0.0360	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12207	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0568 (1204139-11) mg/L				Lab File ID: 019F1901.D		Analyzed: 04/30/12 18:38		
o-Terphenyl	0.02000	77.3	30 - 140	11.306	11.346	-0.0400	+/-0.050	
GW0619 (1204139-13) mg/L				Lab File ID: 020F2001.D		Analyzed: 04/30/12 19:11		
o-Terphenyl	0.02000	81.6	30 - 140	11.32	11.346	-0.0260	+/-0.050	
GW0557 (1204147-01) mg/L				Lab File ID: 021F2101.D		Analyzed: 04/30/12 19:45		
o-Terphenyl	0.01980	66.8	30 - 140	11.31	11.346	-0.0360	+/-0.050	
GW0571 (1204147-05) mg/L				Lab File ID: 023F2301.D		Analyzed: 04/30/12 20:51		
o-Terphenyl	0.02000	87.0	30 - 140	11.306	11.346	-0.0400	+/-0.050	
GW0572 (1204147-07) mg/L				Lab File ID: 024F2401.D		Analyzed: 04/30/12 21:24		
o-Terphenyl	0.02000	74.8	30 - 140	11.303	11.346	-0.0430	+/-0.050	
GW0574 (1204147-09) mg/L				Lab File ID: 025F2501.D		Analyzed: 04/30/12 21:58		
o-Terphenyl	0.01961	82.7	30 - 140	11.3	11.346	-0.0460	+/-0.050	
GW0575 (1204147-11) mg/L				Lab File ID: 026F2601.D		Analyzed: 04/30/12 22:31		
o-Terphenyl	0.02222	82.7	30 - 140	11.303	11.346	-0.0430	+/-0.050	
Calibration Check (2E12207-CCV3) mg/L				Lab File ID: 027F2701.D		Analyzed: 04/30/12 23:04		
o-Terphenyl	50.00	106	80 - 120	11.286	11.346	-0.0600	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12407	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12407-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 05/01/12 14:15		
o-Terphenyl	50.00	106	80 - 120	11.353	11.353	0.0000	+/-0.050	
GW0569 (1204147-03RE1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/01/12 14:48		
o-Terphenyl	0.02000	107	30 - 140	11.36	11.353	0.0070	+/-0.050	
Calibration Check (2E12407-CCV2) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/01/12 15:22		
o-Terphenyl	50.00	112	80 - 120	11.34	11.353	-0.0130	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12408	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12408-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 05/01/12 18:20		
o-Terphenyl	50.00	113	80 - 120	11.3	11.3	0.0000	+/-0.050	
Blank (2E01003-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/01/12 18:53		
o-Terphenyl	0.02000	84.8	30 - 140	11.32	11.3	0.0200	+/-0.050	
LCS (2E01003-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/01/12 19:27		
o-Terphenyl	0.02000	102	30 - 140	11.303	11.3	0.0030	+/-0.050	
LCS Dup (2E01003-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/01/12 20:00		
o-Terphenyl	0.02000	107	30 - 140	11.316	11.3	0.0160	+/-0.050	
GW0515 (1204161-03) mg/L				Lab File ID: 008F0801.D		Analyzed: 05/01/12 21:06		
o-Terphenyl	0.01887	78.7	30 - 140	11.306	11.3	0.0060	+/-0.050	
GW0573 (1204161-05) mg/L				Lab File ID: 009F0901.D		Analyzed: 05/01/12 21:39		
o-Terphenyl	0.01887	96.3	30 - 140	11.306	11.3	0.0060	+/-0.050	
GW0594 (1204161-07) mg/L				Lab File ID: 010F1001.D		Analyzed: 05/01/12 22:13		
o-Terphenyl	0.01961	81.8	30 - 140	11.3	11.3	0.0000	+/-0.050	
GW0595 (1204161-09) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/01/12 22:46		
o-Terphenyl	0.01923	77.5	30 - 140	11.3	11.3	0.0000	+/-0.050	
GW0530 (1204164-01) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/01/12 23:19		
o-Terphenyl	0.01887	80.3	30 - 140	11.286	11.3	-0.0140	+/-0.050	
GW0531 (1204164-03) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/01/12 23:53		
o-Terphenyl	0.01869	75.7	30 - 140	11.286	11.3	-0.0140	+/-0.050	
GW0532 (1204164-05) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/02/12 00:26		
o-Terphenyl	0.01887	75.7	30 - 140	11.296	11.3	-0.0040	+/-0.050	
GW0593 (1204164-07) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/02/12 00:59		
o-Terphenyl	0.01887	86.5	30 - 140	11.29	11.3	-0.0100	+/-0.050	
Calibration Check (2E12408-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/02/12 02:06		
o-Terphenyl	50.00	117	80 - 120	11.27	11.3	-0.0300	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13005	Instrument:	GL-GCFID2
		Calibration:	2102003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E13005-CCV1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/08/12 17:34		
o-Terphenyl	50.00	90.8	80 - 120	11.243	11.243	0.0000	+/-0.050	
GW0514 (1204161-01RE1) mg/L				Lab File ID: 018F1901.D		Analyzed: 05/09/12 01:51		
o-Terphenyl	0.01923	131	30 - 140	11.22	11.243	-0.0230	+/-0.050	
Calibration Check (2E13005-CCV2) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/09/12 09:01		
o-Terphenyl	50.00	92.4	80 - 120	11.343	11.243	0.1000	+/-0.050	*

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0541	04/23/12 12:36	04/24/12 08:20	04/27/12 10:28	3.87	7.00	04/30/12 11:20	3.04	40.00	
GW0542	04/23/12 10:24	04/24/12 08:20	04/27/12 10:28	3.96	7.00	04/30/12 11:54	3.06	40.00	
GW0620	04/23/12 09:54	04/24/12 08:20	04/27/12 10:28	3.98	7.00	04/30/12 12:27	3.08	40.00	
GW0621	04/23/12 09:54	04/24/12 08:20	04/27/12 10:28	3.98	7.00	04/30/12 13:01	3.11	40.00	
GW0622	04/23/12 12:59	04/24/12 08:20	04/27/12 10:28	3.85	7.00	04/30/12 13:35	3.13	40.00	
GW0540	04/23/12 15:00	04/25/12 08:35	04/27/12 10:28	3.77	7.00	04/30/12 14:09	3.15	40.00	
GW0558	04/24/12 10:17	04/25/12 08:35	04/27/12 10:28	2.97	7.00	04/30/12 14:42	3.18	40.00	
GW0559	04/24/12 13:25	04/25/12 08:35	04/27/12 10:28	2.84	7.00	04/30/12 16:24	3.25	40.00	
GW0566	04/24/12 11:06	04/25/12 08:35	04/27/12 10:28	2.93	7.00	04/30/12 16:57	3.27	40.00	
GW0567	04/24/12 13:26	04/25/12 08:35	04/27/12 10:28	2.83	7.00	04/30/12 17:31	3.29	40.00	
GW0568	04/24/12 13:26	04/25/12 08:35	04/27/12 10:28	2.83	7.00	04/30/12 18:38	3.34	40.00	
GW0619	04/23/12 15:31	04/25/12 08:35	04/27/12 10:28	3.75	7.00	04/30/12 19:11	3.36	40.00	
GW0557	04/24/12 16:08	04/26/12 08:20	04/27/12 10:28	2.72	7.00	04/30/12 19:45	3.39	40.00	
GW0569	04/24/12 15:45	04/26/12 08:20	04/27/12 10:28	2.74	7.00	05/01/12 14:48	4.18	40.00	
GW0571	04/25/12 13:47	04/26/12 08:20	04/27/12 10:28	1.82	7.00	04/30/12 20:51	3.43	40.00	
GW0572	04/25/12 11:20	04/26/12 08:20	04/27/12 10:28	1.92	7.00	04/30/12 21:24	3.46	40.00	
GW0574	04/25/12 11:31	04/26/12 08:20	04/27/12 10:28	1.91	7.00	04/30/12 21:58	3.48	40.00	
GW0575	04/25/12 14:05	04/26/12 08:20	04/27/12 10:28	1.81	7.00	04/30/12 22:31	3.50	40.00	
GW0514	04/26/12 10:50	04/27/12 08:20	05/01/12 13:08	5.05	7.00	05/09/12 01:51	7.53	40.00	
GW0515	04/26/12 14:38	04/27/12 08:20	05/01/12 13:08	4.90	7.00	05/01/12 21:06	0.33	40.00	
GW0573	04/25/12 16:17	04/27/12 08:20	05/01/12 13:08	5.83	7.00	05/01/12 21:39	0.35	40.00	
GW0594	04/26/12 13:47	04/27/12 08:20	05/01/12 13:08	4.93	7.00	05/01/12 22:13	0.38	40.00	
GW0595	04/26/12 11:36	04/27/12 08:20	05/01/12 13:08	5.02	7.00	05/01/12 22:46	0.40	40.00	
GW0530	04/27/12 15:48	04/28/12 08:30	05/01/12 13:08	3.85	7.00	05/01/12 23:19	0.42	40.00	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0531	04/27/12 13:50	04/28/12 08:30	05/01/12 13:08	3.93	7.00	05/01/12 23:53	0.45	40.00	
GW0532	04/27/12 11:33	04/28/12 08:30	05/01/12 13:08	4.02	7.00	05/02/12 00:26	0.47	40.00	
GW0593	04/26/12 16:08	04/28/12 08:30	05/01/12 13:08	4.83	7.00	05/02/12 00:59	0.49	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D27002-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/30/12 10:13
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D27002	Sequence:	2E12207	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	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01552	77.6	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D27002-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	04/30/12 10:47
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D27002	Sequence:	2E12207	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9267	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01953	97.7	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2D27002-MS1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	04/30/12 15:16
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2D27002 Sequence: 2E12207 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9631	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02054	103	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D27002-MSD1	File ID:	014F1401.D
Sampled:		Prepared:		Analyzed:	04/30/12 15:50
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2D27002	Sequence:	2E12207	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9124	0.0990	0.198	0.396	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01980	0.01895	95.7	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E01003-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/01/12 18:53
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E01003	Sequence:	2E12408	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	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01697	84.8	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2E01003-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/01/12 19:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2E01003 Sequence: 2E12408 Calibration: 2102003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.8813	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02034	102	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E01003-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	05/01/12 20:00
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2E01003	Sequence:	2E12408	Calibration:	2102003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.9291	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.02144	107	30 - 140	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12105	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D12105-CCV1	003F0301.D	04/26/12 08:35
LCS	2D26004-BS1	004F0401.D	04/26/12 10:02
Blank	2D26004-BLK1	009F0901.D	04/26/12 13:20
GW0541	1204127-01	010F1001.D	04/26/12 13:59
GW0542	1204127-03	011F1101.D	04/26/12 14:39
GW0620	1204127-05	012F1201.D	04/26/12 15:19
GW0621	1204127-07	013F1301.D	04/26/12 15:59
GW0622	1204127-09	014F1401.D	04/26/12 16:39
GW0540	1204139-01	015F1501.D	04/26/12 17:19
GW0558	1204139-03	016F1601.D	04/26/12 17:59
GW0558	2D26004-MS1	017F1701.D	04/26/12 18:38
GW0558	2D26004-MSD1	018F1801.D	04/26/12 19:18
Calibration Check	2D12105-CCV2	019F1901.D	04/26/12 19:58
GW0559	1204139-05	020F2001.D	04/26/12 20:38
GW0566	1204139-07	021F2101.D	04/26/12 21:17
GW0567	1204139-09	022F2201.D	04/26/12 21:56
GW0568	1204139-11	023F2301.D	04/26/12 22:36
GW0619	1204139-13	024F2401.D	04/27/12 23:15
Calibration Check	2D12105-CCV3	025F2501.D	04/27/12 23:54

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12402	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12402-CCV1	010F1001.D	05/02/12 13:50
LCS	2E02010-BS1	011F1101.D	05/02/12 14:30
LCS Dup	2E02010-BSD1	012F1201.D	05/02/12 15:08
Blank	2E02010-BLK1	013F1301.D	05/02/12 15:48
GW0557	1204147-01	014F1401.D	05/02/12 16:28
GW0569	1204147-03	015F1501.D	05/02/12 17:07
GW0571	1204147-05	016F1601.D	05/02/12 17:47
GW0572	1204147-07	017F1701.D	05/02/12 18:26
GW0574	1204147-09	018F1801.D	05/02/12 19:05
GW0575	1204147-11	019F1901.D	05/02/12 19:45
GW0515	1204161-03	021F2101.D	05/02/12 21:03
GW0573	1204161-05	022F2201.D	05/02/12 21:43
GW0594	1204161-07	023F2301.D	05/02/12 22:22
Calibration Check	2E12402-CCV2	024F2401.D	05/02/12 23:02
GW0595	1204161-09	025F2501.D	05/02/12 23:41
GW0530	1204164-01	026F2601.D	05/03/12 00:21
GW0531	1204164-03	027F2701.D	05/03/12 01:00
GW0532	1204164-05	028F2801.D	05/03/12 01:39
GW0593	1204164-07	029F2901.D	05/03/12 02:18
Calibration Check	2E12402-CCV3	030F3001.D	05/03/12 02:58

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12904	Instrument:	GL-GCVOA2
Calibration:	2100004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12904-CCV1	003F0301.D	05/04/12 08:25
LCS	2E03008-BS1	004F0401.D	05/04/12 09:35
Blank	2E03008-BLK1	005F0501.D	05/04/12 10:15
GW0514	1204161-01RE1	006F0601.D	05/04/12 10:54
Calibration Check	2E12904-CCV2	017F1701.D	05/04/12 18:06

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01	File ID:	010F1001.D
Sampled:	04/23/12 12:36	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 13:59
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04748	95.0	50 - 150	

ANALYSIS DATA SHEET

GW0542

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-03	File ID:	011F1101.D
Sampled:	04/23/12 10:24	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 14:39
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04888	97.8	50 - 150	

ANALYSIS DATA SHEET

GW0620

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-05	File ID:	012F1201.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 15:19
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04679	93.6	50 - 150	

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07	File ID:	013F1301.D
Sampled:	04/23/12 09:54	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 15:59
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04824	96.5	50 - 150	

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09	File ID:	014F1401.D
Sampled:	04/23/12 12:59	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 16:39
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04977	99.5	50 - 150	

ANALYSIS DATA SHEET

GW0540

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01	File ID:	015F1501.D
Sampled:	04/23/12 15:00	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 17:19
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04928	98.6	50 - 150	

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03	File ID:	016F1601.D
Sampled:	04/24/12 10:17	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 17:59
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04929	98.6	50 - 150	

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05	File ID:	020F2001.D
Sampled:	04/24/12 13:25	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 20:38
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04999	100	50 - 150	

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07	File ID:	021F2101.D
Sampled:	04/24/12 11:06	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 21:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04886	97.7	50 - 150	

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09	File ID:	022F2201.D
Sampled:	04/24/12 13:26	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 21:56
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.0532	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04839	96.8	50 - 150	

ANALYSIS DATA SHEET

GW0568

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11	File ID:	023F2301.D
Sampled:	04/24/12 13:26	Prepared:	04/26/12 07:12	Analyzed:	04/26/12 22:36
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04825	96.5	50 - 150	

ANALYSIS DATA SHEET

GW0619

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13	File ID:	024F2401.D
Sampled:	04/23/12 15:31	Prepared:	04/26/12 07:12	Analyzed:	04/27/12 23:15
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2D26004 Sequence: 2D12105 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	0.04536	90.7	50 - 150	

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01	File ID:	014F1401.D
Sampled:	04/24/12 16:08	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 16:28
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 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	0.04542	90.8	50 - 150	

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03	File ID:	015F1501.D
Sampled:	04/24/12 15:45	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 17:07
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	2.39	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05417	108	50 - 150	

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05	File ID:	016F1601.D
Sampled:	04/25/12 13:47	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 17:47
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.353	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04834	96.7	50 - 150	

ANALYSIS DATA SHEET

GW0572

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07	File ID:	017F1701.D
Sampled:	04/25/12 11:20	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 18:26
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 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	0.04621	92.4	50 - 150	

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09	File ID:	018F1801.D
Sampled:	04/25/12 11:31	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 19:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 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	0.04628	92.6	50 - 150	

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11	File ID:	019F1901.D
Sampled:	04/25/12 14:05	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 19:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 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	0.04886	97.7	50 - 150	

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01RE1	File ID:	006F0601.D
Sampled:	04/26/12 10:50	Prepared:	05/04/12 06:28	Analyzed:	05/04/12 10:54
Solids:		Preparation:	8015GRO	Dilution:	50

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	42.9	2.50	5.00	7.50	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05095	102	50 - 150	

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03	File ID:	021F2101.D
Sampled:	04/26/12 14:38	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 21:03
Solids:		Preparation:	8015GRO	Dilution:	20

Batch: 2E02010 Sequence: 2E12402 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	13.0	1.00	2.00	3.00	D

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04822	96.4	50 - 150	

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05	File ID:	022F2201.D
Sampled:	04/25/12 16:17	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 21:43
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.618	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04799	96.0	50 - 150	

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07	File ID:	023F2301.D
Sampled:	04/26/12 13:47	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 22:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.234	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04897	97.9	50 - 150	

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09	File ID:	025F2501.D
Sampled:	04/26/12 11:36	Prepared:	05/02/12 08:33	Analyzed:	05/02/12 23:41
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.136	0.0500	0.100	0.150	J

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04641	92.8	50 - 150	

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01	File ID:	026F2601.D
Sampled:	04/27/12 15:48	Prepared:	05/02/12 08:33	Analyzed:	05/03/12 00:21
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 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	0.04815	96.3	50 - 150	

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03	File ID:	027F2701.D
Sampled:	04/27/12 13:50	Prepared:	05/02/12 08:33	Analyzed:	05/03/12 01:00
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 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	0.04842	96.8	50 - 150	

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05	File ID:	028F2801.D
Sampled:	04/27/12 11:33	Prepared:	05/02/12 08:33	Analyzed:	05/03/12 01:39
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 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	0.04654	93.1	50 - 150	

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07	File ID:	029F2901.D
Sampled:	04/26/12 16:08	Prepared:	05/02/12 08:33	Analyzed:	05/03/12 02:18
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2E02010 Sequence: 2E12402 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.298	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04626	92.5	50 - 150	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26004	Laboratory ID:	2D26004-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	0.4162	83.2	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E02010	Laboratory ID:	2E02010-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	0.4118	82.4	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	0.3958	79.2	3.97	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03008	Laboratory ID:	2E03008-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	0.4041	80.8	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26004

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.4209	84.2		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4390	87.8	4.22		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D26004 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/26/12 07:12	5.00	5.00
GW0542	1204127-03	04/26/12 07:12	5.00	5.00
GW0620	1204127-05	04/26/12 07:12	5.00	5.00
GW0621	1204127-07	04/26/12 07:12	5.00	5.00
GW0622	1204127-09	04/26/12 07:12	5.00	5.00
GW0540	1204139-01	04/26/12 07:12	5.00	5.00
GW0558	1204139-03	04/26/12 07:12	5.00	5.00
GW0559	1204139-05	04/26/12 07:12	5.00	5.00
GW0566	1204139-07	04/26/12 07:12	5.00	5.00
GW0567	1204139-09	04/26/12 07:12	5.00	5.00
GW0568	1204139-11	04/26/12 07:12	5.00	5.00
GW0619	1204139-13	04/26/12 07:12	5.00	5.00
Blank	2D26004-BLK1	04/26/12 07:12	5.00	5.00
LCS	2D26004-BS1	04/26/12 07:12	5.00	5.00
GW0558	2D26004-MS1	04/26/12 07:12	5.00	5.00
GW0558	2D26004-MSD1	04/26/12 07:12	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E02010 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0557	1204147-01	05/02/12 08:33	5.00	5.00
GW0569	1204147-03	05/02/12 08:33	5.00	5.00
GW0571	1204147-05	05/02/12 08:33	5.00	5.00
GW0572	1204147-07	05/02/12 08:33	5.00	5.00
GW0574	1204147-09	05/02/12 08:33	5.00	5.00
GW0575	1204147-11	05/02/12 08:33	5.00	5.00
GW0515	1204161-03	05/02/12 08:33	5.00	5.00
GW0573	1204161-05	05/02/12 08:33	5.00	5.00
GW0594	1204161-07	05/02/12 08:33	5.00	5.00
GW0595	1204161-09	05/02/12 08:33	5.00	5.00
GW0530	1204164-01	05/02/12 08:33	5.00	5.00
GW0531	1204164-03	05/02/12 08:33	5.00	5.00
GW0532	1204164-05	05/02/12 08:33	5.00	5.00
GW0593	1204164-07	05/02/12 08:33	5.00	5.00
Blank	2E02010-BLK1	05/02/12 08:33	5.00	5.00
LCS	2E02010-BS1	05/02/12 08:33	5.00	5.00
LCS Dup	2E02010-BSD1	05/02/12 08:33	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E03008 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0514	1204161-01RE1	05/04/12 06:28	5.00	5.00
Blank	2E03008-BLK1	05/04/12 06:28	5.00	5.00
LCS	2E03008-BS1	05/04/12 06:28	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051	
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_051	
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_051
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_051
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:	2D12105	Injection Date:	04/26/12
Lab Sample ID:	2D12105-CCV1	Injection Time:	08:35

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4871	1540290	1500542		-2.6	20
Bromofluorobenzene	A	0.05000	0.04909	1105767	1085720		-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 GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	019F1901.D	Calibration Date:	04/06/12 13:52
Sequence:	2D12105	Injection Date:	04/26/12
Lab Sample ID:	2D12105-CCV2	Injection Time:	19:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4466	1540290	1375784		-10.7	20
Bromofluorobenzene	A	0.05000	0.04611	1105767	1019760		-7.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	025F2501.D	Calibration Date:	04/06/12 13:52
Sequence:	2D12105	Injection Date:	04/27/12
Lab Sample ID:	2D12105-CCV3	Injection Time:	23:54

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4029	1540290	1241126		-19.4	20
Bromofluorobenzene	A	0.05000	0.04230	1105767	935480		-15.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	010F1001.D	Calibration Date:	04/06/12 13:52
Sequence:	2E12402	Injection Date:	05/02/12
Lab Sample ID:	2E12402-CCV1	Injection Time:	13:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4271	1540290	1315692		-14.6	20
Bromofluorobenzene	A	0.05000	0.04668	1105767	1032260		-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

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	024F2401.D	Calibration Date:	04/06/12 13:52
Sequence:	2E12402	Injection Date:	05/02/12
Lab Sample ID:	2E12402-CCV2	Injection Time:	23:02

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4262	1540290	1313028		-14.8	20
Bromofluorobenzene	A	0.05000	0.04544	1105767	1004940		-9.1	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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2100004
Lab File ID:	030F3001.D	Calibration Date:	04/06/12 13:52
Sequence:	2E12402	Injection Date:	05/03/12
Lab Sample ID:	2E12402-CCV3	Injection Time:	02:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4274	1540290	1316598		-14.5	20
Bromofluorobenzene	A	0.05000	0.04387	1105767	970180		-12.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12904	Injection Date:	05/04/12
Lab Sample ID:	2E12904-CCV1	Injection Time:	08:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4629	1540290	1425956		-7.4	20
Bromofluorobenzene	A	0.05000	0.04543	1105767	1004640		-9.1	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_051
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:	2E12904	Injection Date:	05/04/12
Lab Sample ID:	2E12904-CCV2	Injection Time:	18:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4333	1540290	1334744		-13.3	20
Bromofluorobenzene	A	0.05000	0.04416	1105767	976540		-11.7	20

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12105	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2D12105-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 04/26/12 08:35		
Bromofluorobenzene	0.05000	98.2	80 - 120	20.28	20.28	0.0000	+/-0.210	
LCS (2D26004-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 04/26/12 10:02		
Bromofluorobenzene	0.05000	63.6	50 - 150	20.283	20.28	0.0030	+/-0.210	
Blank (2D26004-BLK1) mg/L				Lab File ID: 009F0901.D		Analyzed: 04/26/12 13:20		
Bromofluorobenzene	0.05000	91.2	50 - 150	20.29	20.28	0.0100	+/-0.210	
GW0541 (1204127-01) mg/L				Lab File ID: 010F1001.D		Analyzed: 04/26/12 13:59		
Bromofluorobenzene	0.05000	95.0	50 - 150	20.29	20.28	0.0100	+/-0.210	
GW0542 (1204127-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 04/26/12 14:39		
Bromofluorobenzene	0.05000	97.8	50 - 150	20.29	20.28	0.0100	+/-0.210	
GW0620 (1204127-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 04/26/12 15:19		
Bromofluorobenzene	0.05000	93.6	50 - 150	20.29	20.28	0.0100	+/-0.210	
GW0621 (1204127-07) mg/L				Lab File ID: 013F1301.D		Analyzed: 04/26/12 15:59		
Bromofluorobenzene	0.05000	96.5	50 - 150	20.29	20.28	0.0100	+/-0.210	
GW0622 (1204127-09) mg/L				Lab File ID: 014F1401.D		Analyzed: 04/26/12 16:39		
Bromofluorobenzene	0.05000	99.5	50 - 150	20.29	20.28	0.0100	+/-0.210	
GW0540 (1204139-01) mg/L				Lab File ID: 015F1501.D		Analyzed: 04/26/12 17:19		
Bromofluorobenzene	0.05000	98.6	50 - 150	20.293	20.28	0.0130	+/-0.210	
GW0558 (1204139-03) mg/L				Lab File ID: 016F1601.D		Analyzed: 04/26/12 17:59		
Bromofluorobenzene	0.05000	98.6	50 - 150	20.296	20.28	0.0160	+/-0.210	
Matrix Spike (2D26004-MS1) mg/L				Lab File ID: 017F1701.D		Analyzed: 04/26/12 18:38		
Bromofluorobenzene	0.05000	78.0	50 - 150	20.296	20.28	0.0160	+/-0.210	
Matrix Spike Dup (2D26004-MSD1) mg/L				Lab File ID: 018F1801.D		Analyzed: 04/26/12 19:18		
Bromofluorobenzene	0.05000	77.1	50 - 150	20.296	20.28	0.0160	+/-0.210	
Calibration Check (2D12105-CCV2) ug/mL				Lab File ID: 019F1901.D		Analyzed: 04/26/12 19:58		
Bromofluorobenzene	0.05000	92.2	80 - 120	20.296	20.28	0.0160	+/-0.210	
GW0559 (1204139-05) mg/L				Lab File ID: 020F2001.D		Analyzed: 04/26/12 20:38		
Bromofluorobenzene	0.05000	100	50 - 150	20.293	20.28	0.0130	+/-0.210	
GW0566 (1204139-07) mg/L				Lab File ID: 021F2101.D		Analyzed: 04/26/12 21:17		
Bromofluorobenzene	0.05000	97.7	50 - 150	20.293	20.28	0.0130	+/-0.210	
GW0567 (1204139-09) mg/L				Lab File ID: 022F2201.D		Analyzed: 04/26/12 21:56		
Bromofluorobenzene	0.05000	96.8	50 - 150	20.293	20.28	0.0130	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12105	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0568 (1204139-11) mg/L				Lab File ID: 023F2301.D		Analyzed: 04/26/12 22:36		
Bromofluorobenzene	0.05000	96.5	50 - 150	20.293	20.28	0.0130	+/-0.210	
GW0619 (1204139-13) mg/L				Lab File ID: 024F2401.D		Analyzed: 04/27/12 23:15		
Bromofluorobenzene	0.05000	90.7	50 - 150	20.296	20.28	0.0160	+/-0.210	
Calibration Check (2D12105-CCV3) ug/mL				Lab File ID: 025F2501.D		Analyzed: 04/27/12 23:54		
Bromofluorobenzene	0.05000	84.6	80 - 120	20.293	20.28	0.0130	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12402	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12402-CCV1) ug/mL				Lab File ID: 010F1001.D		Analyzed: 05/02/12 13:50		
Bromofluorobenzene	0.05000	93.4	80 - 120	20.296	20.296	0.0000	+/-0.210	
LCS (2E02010-BS1) mg/L				Lab File ID: 011F1101.D		Analyzed: 05/02/12 14:30		
Bromofluorobenzene	0.05000	89.0	50 - 150	20.293	20.296	-0.0030	+/-0.210	
LCS Dup (2E02010-BSD1) mg/L				Lab File ID: 012F1201.D		Analyzed: 05/02/12 15:08		
Bromofluorobenzene	0.05000	87.5	50 - 150	20.293	20.296	-0.0030	+/-0.210	
Blank (2E02010-BLK1) mg/L				Lab File ID: 013F1301.D		Analyzed: 05/02/12 15:48		
Bromofluorobenzene	0.05000	90.2	50 - 150	20.29	20.296	-0.0060	+/-0.210	
GW0557 (1204147-01) mg/L				Lab File ID: 014F1401.D		Analyzed: 05/02/12 16:28		
Bromofluorobenzene	0.05000	90.8	50 - 150	20.29	20.296	-0.0060	+/-0.210	
GW0569 (1204147-03) mg/L				Lab File ID: 015F1501.D		Analyzed: 05/02/12 17:07		
Bromofluorobenzene	0.05000	108	50 - 150	20.286	20.296	-0.0100	+/-0.210	
GW0571 (1204147-05) mg/L				Lab File ID: 016F1601.D		Analyzed: 05/02/12 17:47		
Bromofluorobenzene	0.05000	96.7	50 - 150	20.29	20.296	-0.0060	+/-0.210	
GW0572 (1204147-07) mg/L				Lab File ID: 017F1701.D		Analyzed: 05/02/12 18:26		
Bromofluorobenzene	0.05000	92.4	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0574 (1204147-09) mg/L				Lab File ID: 018F1801.D		Analyzed: 05/02/12 19:05		
Bromofluorobenzene	0.05000	92.6	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0575 (1204147-11) mg/L				Lab File ID: 019F1901.D		Analyzed: 05/02/12 19:45		
Bromofluorobenzene	0.05000	97.7	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0515 (1204161-03) mg/L				Lab File ID: 021F2101.D		Analyzed: 05/02/12 21:03		
Bromofluorobenzene	0.05000	96.4	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0573 (1204161-05) mg/L				Lab File ID: 022F2201.D		Analyzed: 05/02/12 21:43		
Bromofluorobenzene	0.05000	96.0	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0594 (1204161-07) mg/L				Lab File ID: 023F2301.D		Analyzed: 05/02/12 22:22		
Bromofluorobenzene	0.05000	97.9	50 - 150	20.29	20.296	-0.0060	+/-0.210	
Calibration Check (2E12402-CCV2) ug/mL				Lab File ID: 024F2401.D		Analyzed: 05/02/12 23:02		
Bromofluorobenzene	0.05000	90.9	80 - 120	20.29	20.296	-0.0060	+/-0.210	
GW0595 (1204161-09) mg/L				Lab File ID: 025F2501.D		Analyzed: 05/02/12 23:41		
Bromofluorobenzene	0.05000	92.8	50 - 150	20.29	20.296	-0.0060	+/-0.210	
GW0530 (1204164-01) mg/L				Lab File ID: 026F2601.D		Analyzed: 05/03/12 00:21		
Bromofluorobenzene	0.05000	96.3	50 - 150	20.29	20.296	-0.0060	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12402	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0531 (1204164-03) mg/L				Lab File ID: 027F2701.D		Analyzed: 05/03/12 01:00		
Bromofluorobenzene	0.05000	96.8	50 - 150	20.29	20.296	-0.0060	+/-0.210	
GW0532 (1204164-05) mg/L				Lab File ID: 028F2801.D		Analyzed: 05/03/12 01:39		
Bromofluorobenzene	0.05000	93.1	50 - 150	20.293	20.296	-0.0030	+/-0.210	
GW0593 (1204164-07) mg/L				Lab File ID: 029F2901.D		Analyzed: 05/03/12 02:18		
Bromofluorobenzene	0.05000	92.5	50 - 150	20.293	20.296	-0.0030	+/-0.210	
Calibration Check (2E12402-CCV3) ug/mL				Lab File ID: 030F3001.D		Analyzed: 05/03/12 02:58		
Bromofluorobenzene	0.05000	87.7	80 - 120	20.29	20.296	-0.0060	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12904	Instrument:	GL-GCVOA2
		Calibration:	2100004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2E12904-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 05/04/12 08:25		
Bromofluorobenzene	0.05000	90.9	80 - 120	20.276	20.276	0.0000	+/-0.210	
LCS (2E03008-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 05/04/12 09:35		
Bromofluorobenzene	0.05000	91.2	50 - 150	20.28	20.276	0.0040	+/-0.210	
Blank (2E03008-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 05/04/12 10:15		
Bromofluorobenzene	0.05000	98.0	50 - 150	20.283	20.276	0.0070	+/-0.210	
GW0514 (1204161-01RE1) mg/L				Lab File ID: 006F0601.D		Analyzed: 05/04/12 10:54		
Bromofluorobenzene	0.05000	102	50 - 150	20.283	20.276	0.0070	+/-0.210	
Calibration Check (2E12904-CCV2) ug/mL				Lab File ID: 017F1701.D		Analyzed: 05/04/12 18:06		
Bromofluorobenzene	0.05000	88.3	80 - 120	20.303	20.276	0.0270	+/-0.210	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0541	04/23/12 12:36	04/24/12 08:20	04/26/12 07:12	N/A	14.00	04/26/12 13:59	3.02	14.00	
GW0542	04/23/12 10:24	04/24/12 08:20	04/26/12 07:12	N/A	14.00	04/26/12 14:39	3.14	14.00	
GW0620	04/23/12 09:54	04/24/12 08:20	04/26/12 07:12	N/A	14.00	04/26/12 15:19	3.18	14.00	
GW0621	04/23/12 09:54	04/24/12 08:20	04/26/12 07:12	N/A	14.00	04/26/12 15:59	3.21	14.00	
GW0622	04/23/12 12:59	04/24/12 08:20	04/26/12 07:12	N/A	14.00	04/26/12 16:39	3.11	14.00	
GW0540	04/23/12 15:00	04/25/12 08:35	04/26/12 07:12	N/A	14.00	04/26/12 17:19	3.05	14.00	
GW0558	04/24/12 10:17	04/25/12 08:35	04/26/12 07:12	N/A	14.00	04/26/12 17:59	2.28	14.00	
GW0559	04/24/12 13:25	04/25/12 08:35	04/26/12 07:12	N/A	14.00	04/26/12 20:38	2.26	14.00	
GW0566	04/24/12 11:06	04/25/12 08:35	04/26/12 07:12	N/A	14.00	04/26/12 21:17	2.38	14.00	
GW0567	04/24/12 13:26	04/25/12 08:35	04/26/12 07:12	N/A	14.00	04/26/12 21:56	2.31	14.00	
GW0568	04/24/12 13:26	04/25/12 08:35	04/26/12 07:12	N/A	14.00	04/26/12 22:36	2.34	14.00	
GW0619	04/23/12 15:31	04/25/12 08:35	04/26/12 07:12	N/A	14.00	04/27/12 23:15	4.28	14.00	
GW0557	04/24/12 16:08	04/26/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 16:28	7.97	14.00	
GW0569	04/24/12 15:45	04/26/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 17:07	8.02	14.00	
GW0571	04/25/12 13:47	04/26/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 17:47	7.13	14.00	
GW0572	04/25/12 11:20	04/26/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 18:26	7.25	14.00	
GW0574	04/25/12 11:31	04/26/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 19:05	7.27	14.00	
GW0575	04/25/12 14:05	04/26/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 19:45	7.19	14.00	
GW0514	04/26/12 10:50	04/27/12 08:20	05/04/12 06:28	N/A	14.00	05/04/12 10:54	7.96	14.00	
GW0515	04/26/12 14:38	04/27/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 21:03	6.23	14.00	
GW0573	04/25/12 16:17	04/27/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 21:43	7.18	14.00	
GW0594	04/26/12 13:47	04/27/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 22:22	6.32	14.00	
GW0595	04/26/12 11:36	04/27/12 08:20	05/02/12 08:33	N/A	14.00	05/02/12 23:41	6.46	14.00	
GW0530	04/27/12 15:48	04/28/12 08:30	05/02/12 08:33	N/A	14.00	05/03/12 00:21	5.31	14.00	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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
GW0531	04/27/12 13:50	04/28/12 08:30	05/02/12 08:33	N/A	14.00	05/03/12 01:00	5.42	14.00	
GW0532	04/27/12 11:33	04/28/12 08:30	05/02/12 08:33	N/A	14.00	05/03/12 01:39	5.55	14.00	
GW0593	04/26/12 16:08	04/28/12 08:30	05/02/12 08:33	N/A	14.00	05/03/12 02:18	6.38	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2D26004-BLK1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	04/26/12 13:20
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2D26004 Sequence: 2D12105 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	0.04562	91.2	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2D26004-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	04/26/12 10:02
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2D26004 Sequence: 2D12105 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4162	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03179	63.6	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2D26004-MS1	File ID:	017F1701.D
Sampled:		Prepared:		Analyzed:	04/26/12 18:38
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2D26004 Sequence: 2D12105 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4209	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03902	78.0	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D26004-MSD1	File ID:	018F1801.D
Sampled:		Prepared:		Analyzed:	04/26/12 19:18
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2D26004	Sequence:	2D12105	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4390	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.03854	77.1	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E02010-BLK1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	05/02/12 15:48
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E02010	Sequence:	2E12402	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

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E02010-BS1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	05/02/12 14:30
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E02010	Sequence:	2E12402	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4118	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04448	89.0	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2E02010-BSD1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	05/02/12 15:08
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2E02010	Sequence:	2E12402	Calibration:	2100004	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.3958	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04373	87.5	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2E03008-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	05/04/12 10:15
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2E03008 Sequence: 2E12904 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	0.04900	98.0	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2E03008-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	05/04/12 09:35
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2E03008 Sequence: 2E12904 Calibration: 2100004 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.4041	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04560	91.2	50 - 150	

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12115	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2D12115-CCV1	002F0101.D	04/27/12 11:05
Calibration Check	2D12115-CCV1	002R0101.D	04/27/12 11:05
Blank	2D26011-BLK1	003F0101.D	04/27/12 11:27
LCS	2D26011-BS1	004R0101.D	04/27/12 11:48
LCS	2D26011-BS1	004F0101.D	04/27/12 11:48
GW0541	1204127-01	005R0101.D	04/27/12 12:09
GW0542	1204127-03	006R0101.D	04/27/12 12:30
GW0620	1204127-05	007R0101.D	04/27/12 12:52
GW0620	1204127-05	007F0101.D	04/27/12 12:52
GW0621	1204127-07	008F0101.D	04/27/12 13:13
GW0621	1204127-07	008R0101.D	04/27/12 13:13
GW0622	1204127-09	009R0101.D	04/27/12 13:34
GW0540	1204139-01	010R0101.D	04/27/12 13:56
GW0558	1204139-03	011R0101.D	04/27/12 14:17
GW0558	2D26011-MS1	012F0101.D	04/27/12 14:38
GW0558	2D26011-MS1	012R0101.D	04/27/12 14:38
GW0558	2D26011-MSD1	013R0101.D	04/27/12 15:00
GW0558	2D26011-MSD1	013F0101.D	04/27/12 15:00
GW0559	1204139-05	014F0101.D	04/27/12 15:21
GW0566	1204139-07	015R0101.D	04/27/12 15:42
GW0567	1204139-09	016R0101.D	04/27/12 16:03
Calibration Check	2D12115-CCV2	017F0101.D	04/27/12 16:25
Calibration Check	2D12115-CCV2	017R0101.D	04/27/12 16:25
GW0568	1204139-11	018R0101.D	04/27/12 16:46
GW0619	1204139-13	019F0101.D	04/27/12 17:07
GW0619	1204139-13	019R0101.D	04/27/12 17:07
GW0557	1204147-01	020R0101.D	04/27/12 17:28
GW0569	1204147-03	021F0101.D	04/27/12 17:49
GW0569	1204147-03	021R0101.D	04/27/12 17:49
GW0571	1204147-05	022R0101.D	04/27/12 18:10
GW0571	1204147-05	022F0101.D	04/27/12 18:10
GW0572	1204147-07	023F0101.D	04/27/12 18:32

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12115	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0575	1204147-11	024R0101.D	04/27/12 18:53
GW0574	1204147-09	025F0101.D	04/27/12 19:14
GW0574	1204147-09	025R0101.D	04/27/12 19:14
Calibration Check	2D12115-CCV3	026R0101.D	04/27/12 19:35
Calibration Check	2D12115-CCV3	026F0101.D	04/27/12 19:35

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12302	Instrument:	GL-ECD2
Calibration:	2108003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12302-CCV1	002R0101.D	05/01/12 09:27
Calibration Check	2E12302-CCV1	002F0101.D	05/01/12 09:27
Blank	2E01007-BLK1	003R0101.D	05/01/12 09:47
LCS	2E01007-BS1	004F0101.D	05/01/12 10:09
LCS	2E01007-BS1	004R0101.D	05/01/12 10:09
LCS Dup	2E01007-BSD1	005R0101.D	05/01/12 10:30
LCS Dup	2E01007-BSD1	005F0101.D	05/01/12 10:30
GW0515	1204161-03	007R0101.D	05/01/12 11:14
GW0573	1204161-05	008F0101.D	05/01/12 11:35
GW0573	1204161-05	008R0101.D	05/01/12 11:35
GW0594	1204161-07	009R0101.D	05/01/12 11:57
GW0594	1204161-07	009F0101.D	05/01/12 11:57
GW0595	1204161-09	010F0101.D	05/01/12 12:19
GW0530	1204164-01	011R0101.D	05/01/12 12:41
GW0531	1204164-03	012R0101.D	05/01/12 13:03
GW0532	1204164-05	013R0101.D	05/01/12 13:25
GW0593	1204164-07	014R0101.D	05/01/12 13:47
GW0593	1204164-07	014F0101.D	05/01/12 13:47
GW0514	1204161-01RE1	015R0101.D	05/01/12 14:09
GW0514	1204161-01RE1	015F0101.D	05/01/12 14:09
Calibration Check	2E12302-CCV2	016R0101.D	05/01/12 14:31
Calibration Check	2E12302-CCV2	016F0101.D	05/01/12 14:31

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01	File ID:	005R0101.D
Sampled:	04/23/12 12:36	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 12:09
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00939	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0542

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-03	File ID:	006R0101.D
Sampled:	04/23/12 10:24	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 12:30
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 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

GW0620

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-05	File ID:	007R0101.D
Sampled:	04/23/12 09:54	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 12:52
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.198	0.00936	0.0187	0.0281	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07	File ID:	008R0101.D
Sampled:	04/23/12 09:54	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 13:13
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.183	0.00927	0.0185	0.0278	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09	File ID:	009R0101.D
Sampled:	04/23/12 12:59	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 13:34
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 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

GW0540

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01	File ID:	010R0101.D
Sampled:	04/23/12 15:00	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 13:56
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00948	0.0190	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03	File ID:	011R0101.D
Sampled:	04/24/12 10:17	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 14:17
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05	File ID:	014F0101.D
Sampled:	04/24/12 13:25	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 15:21
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 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

GW0566

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07	File ID:	015R0101.D
Sampled:	04/24/12 11:06	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 15:42
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00948	0.0190	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09	File ID:	016R0101.D
Sampled:	04/24/12 13:26	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 16:03
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 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

GW0568

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11	File ID:	018R0101.D
Sampled:	04/24/12 13:26	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 16:46
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 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

GW0619

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13	File ID:	019R0101.D
Sampled:	04/23/12 15:31	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 17:07
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0784	0.00945	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01	File ID:	020R0101.D
Sampled:	04/24/12 16:08	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 17:28
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00945	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03	File ID:	021R0101.D
Sampled:	04/24/12 15:45	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 17:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.699	0.00954	0.0191	0.0286	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05	File ID:	022R0101.D
Sampled:	04/25/12 13:47	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 18:10
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.119	0.00945	0.0189	0.0283	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0572

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07	File ID:	023F0101.D
Sampled:	04/25/12 11:20	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 18:32
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00950	0.0190	0.0285	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09	File ID:	025R0101.D
Sampled:	04/25/12 11:31	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 19:14
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.228	0.00949	0.0190	0.0285	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11	File ID:	024R0101.D
Sampled:	04/25/12 14:05	Prepared:	04/27/12 08:00	Analyzed:	04/27/12 18:53
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2D26011 Sequence: 2D12115 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

GW0514

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-01RE1	File ID:	015F0101.D
Sampled:	04/26/12 10:50	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 14:09
Solids:		Preparation:	EDB	Dilution:	200

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	114	1.88	3.77	5.65	D

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03	File ID:	007R0101.D
Sampled:	04/26/12 14:38	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 11:14
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00939	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05	File ID:	008F0101.D
Sampled:	04/25/12 16:17	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 11:35
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.196	0.00933	0.0187	0.0280	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07	File ID:	009R0101.D
Sampled:	04/26/12 13:47	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 11:57
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.622	0.00947	0.0189	0.0284	

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09	File ID:	010F0101.D
Sampled:	04/26/12 11:36	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 12:19
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00941	0.0188	0.0282	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01	File ID:	011R0101.D
Sampled:	04/27/12 15:48	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 12:41
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00946	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03	File ID:	012R0101.D
Sampled:	04/27/12 13:50	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 13:03
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 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

GW0532

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05	File ID:	013R0101.D
Sampled:	04/27/12 11:33	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 13:25
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00957	0.0191	0.0287	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07	File ID:	014R0101.D
Sampled:	04/26/12 16:08	Prepared:	05/01/12 08:07	Analyzed:	05/01/12 13:47
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.0619	0.00951	0.0190	0.0285	

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26011	Laboratory ID:	2D26011-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	0.4669	93.4	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5260	105	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01007	Laboratory ID:	2E01007-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	0.5134	103	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5871	117	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5184	104	0.971	20	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5844	117	0.458	20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26011

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4677	ND	0.4470	95.6		70 - 130
1,2-Dibromoethane [2C]	0.4677	ND	0.4918	105		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4677	0.4408	94.3	1.39		20	70 - 130
1,2-Dibromoethane [2C]	0.4677	0.4938	106	0.408		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D26011 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/27/12 08:00	37.28	35.00
GW0542	1204127-03	04/27/12 08:00	37.25	35.00
GW0620	1204127-05	04/27/12 08:00	37.39	35.00
GW0621	1204127-07	04/27/12 08:00	37.74	35.00
GW0622	1204127-09	04/27/12 08:00	37.25	35.00
GW0540	1204139-01	04/27/12 08:00	36.93	35.00
GW0558	1204139-03	04/27/12 08:00	37.00	35.00
GW0559	1204139-05	04/27/12 08:00	37.65	35.00
GW0566	1204139-07	04/27/12 08:00	36.91	35.00
GW0567	1204139-09	04/27/12 08:00	36.80	35.00
GW0568	1204139-11	04/27/12 08:00	36.67	35.00
GW0619	1204139-13	04/27/12 08:00	37.02	35.00
GW0557	1204147-01	04/27/12 08:00	37.02	35.00
GW0569	1204147-03	04/27/12 08:00	36.67	35.00
GW0571	1204147-05	04/27/12 08:00	37.04	35.00
GW0572	1204147-07	04/27/12 08:00	36.85	35.00
GW0574	1204147-09	04/27/12 08:00	36.88	35.00
GW0575	1204147-11	04/27/12 08:00	37.35	35.00
Blank	2D26011-BLK1	04/27/12 08:00	35.00	35.00
LCS	2D26011-BS1	04/27/12 08:00	35.00	35.00
GW0558	2D26011-MS1	04/27/12 08:00	37.42	35.00
GW0558	2D26011-MSD1	04/27/12 08:00	37.42	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E01007 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0514	1204161-01RE1	05/01/12 08:07	37.16	35.00
GW0515	1204161-03	05/01/12 08:07	37.28	35.00
GW0573	1204161-05	05/01/12 08:07	37.52	35.00
GW0594	1204161-07	05/01/12 08:07	36.94	35.00
GW0595	1204161-09	05/01/12 08:07	37.21	35.00
GW0530	1204164-01	05/01/12 08:07	36.98	35.00
GW0531	1204164-03	05/01/12 08:07	37.22	35.00
GW0532	1204164-05	05/01/12 08:07	36.58	35.00
GW0593	1204164-07	05/01/12 08:07	36.82	35.00
Blank	2E01007-BLK1	05/01/12 08:07	35.00	35.00
LCS	2E01007-BS1	05/01/12 08:07	35.00	35.00
LCS Dup	2E01007-BSD1	05/01/12 08:07	35.00	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D26011-BLK1	File ID:	003F0101.D
Sampled:		Prepared:	04/27/12 08:00	Analyzed:	04/27/12 11:27
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D26011 Sequence: 2D12115 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_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E01007-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	05/01/12 08:07	Analyzed:	05/01/12 09:47
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E01007 Sequence: 2E12302 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_051
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_051	
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_051	
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_051	
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_051
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_051
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:	2D12115	Injection Date:	04/27/12
Lab Sample ID:	2D12115-CCV1	Injection Time:	11:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4907	92291.13	41952		-1.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.5187	41952.07	36790		3.7	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_051
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:	2D12115	Injection Date:	04/27/12
Lab Sample ID:	2D12115-CCV2	Injection Time:	16:25

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4690	92291.13	40590		-6.2	20
1,2-Dibromoethane [2C]	L	0.5000	0.5260	41952.07	37280		5.2	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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2108003
Lab File ID:	026F0101.D	Calibration Date:	04/13/12 09:34
Sequence:	2D12115	Injection Date:	04/27/12
Lab Sample ID:	2D12115-CCV3	Injection Time:	19:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4704	92291.13	40676		-5.9	20
1,2-Dibromoethane [2C]	L	0.5000	0.5133	41952.07	36422		2.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12302	Injection Date:	05/01/12
Lab Sample ID:	2E12302-CCV1	Injection Time:	09:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.5106	92291.13	43186		2.1	20
1,2-Dibromoethane [2C]	L	0.5000	0.5205	41952.07	36912		4.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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:	2E12302	Injection Date:	05/01/12
Lab Sample ID:	2E12302-CCV2	Injection Time:	14:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	Q	0.5000	0.4572	92291.13	39842		-8.6	20
1,2-Dibromoethane [2C]	L	0.5000	0.5092	41952.07	36152		1.8	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_051

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
GW0541	04/23/12 12:36	04/24/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 12:09	3.94	14.00	
GW0542	04/23/12 10:24	04/24/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 12:30	4.05	14.00	
GW0620	04/23/12 09:54	04/24/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 12:52	4.08	14.00	
GW0621	04/23/12 09:54	04/24/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 13:13	4.10	14.00	
GW0622	04/23/12 12:59	04/24/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 13:34	3.98	14.00	
GW0540	04/23/12 15:00	04/25/12 08:35	04/27/12 08:00	N/A	14.00	04/27/12 13:56	3.91	14.00	
GW0558	04/24/12 10:17	04/25/12 08:35	04/27/12 08:00	N/A	14.00	04/27/12 14:17	3.13	14.00	
GW0559	04/24/12 13:25	04/25/12 08:35	04/27/12 08:00	N/A	14.00	04/27/12 15:21	3.04	14.00	
GW0566	04/24/12 11:06	04/25/12 08:35	04/27/12 08:00	N/A	14.00	04/27/12 15:42	3.15	14.00	
GW0567	04/24/12 13:26	04/25/12 08:35	04/27/12 08:00	N/A	14.00	04/27/12 16:03	3.07	14.00	
GW0568	04/24/12 13:26	04/25/12 08:35	04/27/12 08:00	N/A	14.00	04/27/12 16:46	3.10	14.00	
GW0619	04/23/12 15:31	04/25/12 08:35	04/27/12 08:00	N/A	14.00	04/27/12 17:07	4.03	14.00	
GW0557	04/24/12 16:08	04/26/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 17:28	3.01	14.00	
GW0569	04/24/12 15:45	04/26/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 17:49	3.04	14.00	
GW0571	04/25/12 13:47	04/26/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 18:10	2.14	14.00	
GW0572	04/25/12 11:20	04/26/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 18:32	2.26	14.00	
GW0574	04/25/12 11:31	04/26/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 19:14	2.28	14.00	
GW0575	04/25/12 14:05	04/26/12 08:20	04/27/12 08:00	N/A	14.00	04/27/12 18:53	2.16	14.00	
GW0514	04/26/12 10:50	04/27/12 08:20	05/01/12 08:07	N/A	14.00	05/01/12 14:09	5.10	14.00	
GW0515	04/26/12 14:38	04/27/12 08:20	05/01/12 08:07	N/A	14.00	05/01/12 11:14	4.82	14.00	
GW0573	04/25/12 16:17	04/27/12 08:20	05/01/12 08:07	N/A	14.00	05/01/12 11:35	5.76	14.00	
GW0594	04/26/12 13:47	04/27/12 08:20	05/01/12 08:07	N/A	14.00	05/01/12 11:57	4.88	14.00	
GW0595	04/26/12 11:36	04/27/12 08:20	05/01/12 08:07	N/A	14.00	05/01/12 12:19	4.99	14.00	
GW0530	04/27/12 15:48	04/28/12 08:30	05/01/12 08:07	N/A	14.00	05/01/12 12:41	3.83	14.00	

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

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
GW0531	04/27/12 13:50	04/28/12 08:30	05/01/12 08:07	N/A	14.00	05/01/12 13:03	3.93	14.00	
GW0532	04/27/12 11:33	04/28/12 08:30	05/01/12 08:07	N/A	14.00	05/01/12 13:25	4.04	14.00	
GW0593	04/26/12 16:08	04/28/12 08:30	05/01/12 08:07	N/A	14.00	05/01/12 13:47	4.86	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D26011-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	04/27/12 11:48
Solids:		Preparation:	EDB	Dilution:	

Batch:	2D26011	Sequence:	2D12115	Calibration:	2108003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4669	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D26011-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	04/27/12 11:48
Solids:		Preparation:	EDB	Dilution:	

Batch:	2D26011	Sequence:	2D12115	Calibration:	2108003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5260	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D26011-MS1	File ID:	012F0101.D
Sampled:		Prepared:		Analyzed:	04/27/12 14:38
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4470	0.00935	0.0187	0.0281	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2D26011-MS1	File ID:	012R0101.D
Sampled:		Prepared:		Analyzed:	04/27/12 14:38
Solids:		Preparation:	EDB	Dilution:	

Batch: 2D26011 Sequence: 2D12115 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4918	0.00935	0.0187	0.0281	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 2D26011-MSD1
File ID: 013F0101.D
Sampled:
Prepared:
Analyzed: 04/27/12 15:00
Solids:
Preparation: EDB
Dilution:
Batch: 2D26011
Sequence: 2D12115
Calibration: 2108003
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4408	0.00935	0.0187	0.0281	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2D26011-MSD1	File ID:	013R0101.D
Sampled:		Prepared:		Analyzed:	04/27/12 15:00
Solids:		Preparation:	EDB	Dilution:	

Batch:	2D26011	Sequence:	2D12115	Calibration:	2108003	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4938	0.00935	0.0187	0.0281	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E01007-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	05/01/12 10:09
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5134	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E01007-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	05/01/12 10:09
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5871	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E01007-BSD1	File ID:	005F0101.D
Sampled:		Prepared:		Analyzed:	05/01/12 10:30
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5184	0.0100	0.0200	0.0300	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_051
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2E01007-BSD1	File ID:	005R0101.D
Sampled:		Prepared:		Analyzed:	05/01/12 10:30
Solids:		Preparation:	EDB	Dilution:	

Batch: 2E01007 Sequence: 2E12302 Calibration: 2108003 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5844	0.0100	0.0200	0.0300	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0620

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204127-05 Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.33	2.37	2.43	0.162	
	2	2.21	2.24	2.30	0.198	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0621

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204127-07 Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.154	
	2	2.22	2.24	2.30	0.183	17

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0619

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204139-13

Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.35	2.37	2.43	0.0778	
	2	2.23	2.24	2.30	0.0784	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0569

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204147-03

Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.35	2.37	2.43	0.653	
	2	2.23	2.24	2.30	0.699	7

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0571

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204147-05 Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.35	2.37	2.43	0.101	
	2	2.22	2.24	2.30	0.119	16

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0574

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204147-09 Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.33	2.37	2.43	0.191	
	2	2.21	2.24	2.30	0.228	18

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D26011-BS1 Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.4669	
	2	2.21	2.24	2.30	0.5260	12

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D26011-MS1 Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.35	2.37	2.43	0.4470	
	2	2.22	2.24	2.30	0.4918	10

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2D26011-MSD1 Date(s) Analyzed: 04/27/2012 04/27/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.34	2.37	2.43	0.4408	
	2	2.22	2.24	2.30	0.4938	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0514

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204161-01RE1

Date(s) Analyzed: 05/01/2012 05/01/2012

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	2.33	2.37	2.43	114	
	2	2.21	2.24	2.30	113	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0573

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204161-05 Date(s) Analyzed: 05/01/2012 05/01/2012

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	2.33	2.37	2.43	0.196	
	2	2.20	2.24	2.30	0.185	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0594

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204161-07

Date(s) Analyzed: 05/01/2012 05/01/2012

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	0.555	
	2	2.21	2.24	2.30	0.622	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0593

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1204164-07 Date(s) Analyzed: 05/01/2012 05/01/2012

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	0.0492	
	2	2.22	2.24	2.30	0.0619	23

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E01007-BS1

Date(s) Analyzed: 05/01/2012 05/01/2012

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	2.35	2.37	2.43	0.5134	
	2	2.22	2.24	2.30	0.5871	13

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2E01007-BSD1

Date(s) Analyzed: 05/01/2012 05/01/2012

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	0.5184	
	2	2.21	2.24	2.30	0.5844	12

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01
Sampled:	04/23/12 12:36	Received:	04/24/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34900	1000	2000	5000	1		SW6010B	2E07010	05/10/12 16:46
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 16:46
7439-95-4	Magnesium	4670	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 16:46
7440-09-7	Potassium	2000	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 16:46
7440-23-5	Sodium	22300	1000	3000	5000	1		SW6010B	2E07010	05/10/12 16:46

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-02
Sampled:	04/23/12 12:36	Received:	04/24/12 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	2E02022	05/03/12 16:42
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 16:42

ANALYSIS DATA SHEET

GW0542

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/23/12 10:24
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204127-03
Received: 04/24/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36000	1000	2000	5000	1		SW6010B	2E07010	05/10/12 16:50
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 16:50
7439-95-4	Magnesium	4860	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 16:50
7440-09-7	Potassium	2110	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 16:50
7440-23-5	Sodium	23600	1000	3000	5000	1		SW6010B	2E07010	05/10/12 16:50

ANALYSIS DATA SHEET

GW0542

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-04
Sampled:	04/23/12 10:24	Received:	04/24/12 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	2E02022	05/03/12 16:47
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 16:47

ANALYSIS DATA SHEET

GW0620

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/23/12 09:54
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204127-05
Received: 04/24/12 08:20

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	2E07010	05/10/12 16:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 16:55
7439-95-4	Magnesium	6010	1000	3000	5000	1		SW6010B	2E07010	05/10/12 16:55
7440-09-7	Potassium	2450	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 16:55
7440-23-5	Sodium	23800	1000	3000	5000	1		SW6010B	2E07010	05/10/12 16:55

ANALYSIS DATA SHEET

GW0620

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-06
Sampled:	04/23/12 09:54	Received:	04/24/12 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	2E02022	05/03/12 16:52
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 16:52

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07
Sampled:	04/23/12 09:54	Received:	04/24/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41900	1000	2000	5000	1		SW6010B	2E07010	05/10/12 16:59
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 16:59
7439-95-4	Magnesium	5660	1000	3000	5000	1		SW6010B	2E07010	05/10/12 16:59
7440-09-7	Potassium	2320	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 16:59
7440-23-5	Sodium	22500	1000	3000	5000	1		SW6010B	2E07010	05/10/12 16:59

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-08
Sampled:	04/23/12 09:54	Received:	04/24/12 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	2E02022	05/03/12 16:57
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 16:57

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09
Sampled:	04/23/12 12:59	Received:	04/24/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	38300	1000	2000	5000	1		SW6010B	2E07010	05/10/12 17:04
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 17:04
7439-95-4	Magnesium	5230	1000	3000	5000	1		SW6010B	2E07010	05/10/12 17:04
7440-09-7	Potassium	2210	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 17:04
7440-23-5	Sodium	22000	1000	3000	5000	1		SW6010B	2E07010	05/10/12 17:04

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-10
Sampled:	04/23/12 12:59	Received:	04/24/12 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	2E02022	05/03/12 17:01
7439-96-5	Manganese (dissolved)	3.32	3.00	6.00	15.0	1	J	SW6010B	2E02022	05/03/12 17:01

ANALYSIS DATA SHEET

GW0540

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/23/12 15:00
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204139-01
Received: 04/25/12 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39700	1000	2000	5000	1		SW6010B	2E07010	05/10/12 18:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 18:02
7439-95-4	Magnesium	5500	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:02
7440-09-7	Potassium	2140	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 18:02
7440-23-5	Sodium	24600	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:02

ANALYSIS DATA SHEET

GW0540

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/23/12 15:00
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204139-02
Received: 04/25/12 08:35

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	2E02022	05/03/12 17:06
7439-96-5	Manganese (dissolved)	4.23	3.00	6.00	15.0	1	J	SW6010B	2E02022	05/03/12 17:06

ANALYSIS DATA SHEET

GW0558

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/24/12 10:17
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204139-03
Received: 04/25/12 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47100	1000	2000	5000	1		SW6010B	2E07010	05/10/12 18:06
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 18:06
7439-95-4	Magnesium	6640	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:06
7440-09-7	Potassium	2630	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 18:06
7440-23-5	Sodium	24000	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:06

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-04
Sampled:	04/24/12 10:17	Received:	04/25/12 08:35
% 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	2E02022	05/03/12 17:11
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 17:11

ANALYSIS DATA SHEET

GW0559

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/24/12 13:25
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204139-05
Received: 04/25/12 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	52100	1000	2000	5000	1		SW6010B	2E07010	05/10/12 18:29
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 18:29
7439-95-4	Magnesium	7150	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:29
7440-09-7	Potassium	2740	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 18:29
7440-23-5	Sodium	25900	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:29

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-06
Sampled:	04/24/12 13:25	Received:	04/25/12 08:35
% 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	2E02022	05/03/12 17:30
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 17:30

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07
Sampled:	04/24/12 11:06	Received:	04/25/12 08:35
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	35200	1000	2000	5000	1		SW6010B	2E07010	05/10/12 18:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 18:33
7439-95-4	Magnesium	4840	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 18:33
7440-09-7	Potassium	1980	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 18:33
7440-23-5	Sodium	22300	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:33

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-08
Sampled:	04/24/12 11:06	Received:	04/25/12 08:35
% 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	2E02022	05/03/12 17:35
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 17:35

ANALYSIS DATA SHEET

GW0567

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/24/12 13:26
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204139-09
Received: 04/25/12 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	47300	1000	2000	5000	1		SW6010B	2E07010	05/10/12 18:38
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 18:38
7439-95-4	Magnesium	6640	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:38
7440-09-7	Potassium	2380	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 18:38
7440-23-5	Sodium	26200	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:38

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-10
Sampled:	04/24/12 13:26	Received:	04/25/12 08:35
% 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	2E02022	05/03/12 17:40
7439-96-5	Manganese (dissolved)	4.68	3.00	6.00	15.0	1	J	SW6010B	2E02022	05/03/12 17:40

ANALYSIS DATA SHEET

GW0568

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/24/12 13:26
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204139-11
Received: 04/25/12 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	44900	1000	2000	5000	1		SW6010B	2E07010	05/10/12 18:42
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07010	05/10/12 18:42
7439-95-4	Magnesium	6350	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:42
7440-09-7	Potassium	2260	1000	3000	5000	1	J	SW6010B	2E07010	05/10/12 18:42
7440-23-5	Sodium	24800	1000	3000	5000	1		SW6010B	2E07010	05/10/12 18:42

ANALYSIS DATA SHEET

GW0568

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-12
Sampled:	04/24/12 13:26	Received:	04/25/12 08:35
% 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	2E02022	05/03/12 17:58
7439-96-5	Manganese (dissolved)	4.79	3.00	6.00	15.0	1	J	SW6010B	2E02022	05/03/12 17:58

ANALYSIS DATA SHEET

GW0619

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/23/12 15:31
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204139-13
Received: 04/25/12 08:35

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	39800	1000	2000	5000	1		SW6010B	2E07011	05/10/12 19:10
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07011	05/10/12 19:10
7439-95-4	Magnesium	5520	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:10
7440-09-7	Potassium	2260	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:10
7440-23-5	Sodium	22100	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:10

ANALYSIS DATA SHEET

GW0619

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-14
Sampled:	04/23/12 15:31	Received:	04/25/12 08:35
% 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	2E02022	05/03/12 18:03
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 18:03

ANALYSIS DATA SHEET

GW0557

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/24/12 16:08
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204147-01
Received: 04/26/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	53300	1000	2000	5000	1		SW6010B	2E07011	05/10/12 19:15
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07011	05/10/12 19:15
7439-95-4	Magnesium	7460	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:15
7440-09-7	Potassium	2780	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:15
7440-23-5	Sodium	25300	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:15

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-02
Sampled:	04/24/12 16:08	Received:	04/26/12 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	2E02022	05/03/12 18:08
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 18:08

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03
Sampled:	04/24/12 15:45	Received:	04/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	74600	1000	2000	5000	1		SW6010B	2E07011	05/10/12 19:19
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07011	05/10/12 19:19
7439-95-4	Magnesium	10900	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:19
7440-09-7	Potassium	2900	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:19
7440-23-5	Sodium	32300	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:19

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-04
Sampled:	04/24/12 15:45	Received:	04/26/12 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)	390	30.0	60.0	100	1		SW6010B	2E02022	05/03/12 18:12
7439-96-5	Manganese (dissolved)	831	3.00	6.00	15.0	1		SW6010B	2E02022	05/03/12 18:12

ANALYSIS DATA SHEET

GW0571

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/25/12 13:47
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204147-05
Received: 04/26/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	60800	1000	2000	5000	1		SW6010B	2E07011	05/10/12 19:24
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07011	05/10/12 19:24
7439-95-4	Magnesium	9400	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:24
7440-09-7	Potassium	2640	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:24
7440-23-5	Sodium	31900	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:24

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-06
Sampled:	04/25/12 13:47	Received:	04/26/12 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)	1360	30.0	60.0	100	1		SW6010B	2E02022	05/03/12 18:17
7439-96-5	Manganese (dissolved)	1410	3.00	6.00	15.0	1		SW6010B	2E02022	05/03/12 18:17

ANALYSIS DATA SHEET

GW0572

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-07
Sampled:	04/25/12 11:20	Received:	04/26/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36900	1000	2000	5000	1		SW6010B	2E07011	05/10/12 19:28
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07011	05/10/12 19:28
7439-95-4	Magnesium	5040	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:28
7440-09-7	Potassium	2090	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:28
7440-23-5	Sodium	22600	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:28

ANALYSIS DATA SHEET

GW0572

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/25/12 11:20
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204147-08
Received: 04/26/12 08:20

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	2E02022	05/03/12 18:22
7439-96-5	Manganese (dissolved)	9.81	3.00	6.00	15.0	1	J	SW6010B	2E02022	05/03/12 18:22

ANALYSIS DATA SHEET

GW0574

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/25/12 11:31
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204147-09
Received: 04/26/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	34900	1000	2000	5000	1		SW6010B	2E07011	05/10/12 19:33
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07011	05/10/12 19:33
7439-95-4	Magnesium	4790	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:33
7440-09-7	Potassium	1970	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:33
7440-23-5	Sodium	21700	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:33

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-10
Sampled:	04/25/12 11:31	Received:	04/26/12 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	2E02022	05/03/12 18:27
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 18:27

ANALYSIS DATA SHEET

GW0575

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/25/12 14:05
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204147-11
Received: 04/26/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	42700	1000	2000	5000	1		SW6010B	2E07011	05/10/12 19:37
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E07011	05/10/12 19:37
7439-95-4	Magnesium	5910	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:37
7440-09-7	Potassium	2250	1000	3000	5000	1	J	SW6010B	2E07011	05/10/12 19:37
7440-23-5	Sodium	24200	1000	3000	5000	1		SW6010B	2E07011	05/10/12 19:37

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-12
Sampled:	04/25/12 14:05	Received:	04/26/12 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	2E02022	05/03/12 18:31
7439-96-5	Manganese (dissolved)	3.87	3.00	6.00	15.0	1	J	SW6010B	2E02022	05/03/12 18:31

ANALYSIS DATA SHEET

GW0514

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/26/12 10:50
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204161-01
Received: 04/27/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	90900	1000	2000	5000	1		SW6010B	2E08002	05/11/12 11:56
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 11:56
7439-95-4	Magnesium	12200	1000	3000	5000	1		SW6010B	2E08002	05/11/12 11:56
7440-09-7	Potassium	3270	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 11:56
7440-23-5	Sodium	33700	1000	3000	5000	1		SW6010B	2E08002	05/11/12 11:56

ANALYSIS DATA SHEET

GW0514

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-02
Sampled:	04/26/12 10:50	Received:	04/27/12 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)	65.9	30.0	60.0	100	1	J	SW6010B	2E02022	05/03/12 18:36
7439-96-5	Manganese (dissolved)	1160	3.00	6.00	15.0	1		SW6010B	2E02022	05/03/12 18:36

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03
Sampled:	04/26/12 14:38	Received:	04/27/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	37600	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E08002	05/11/12 12:00
7439-95-4	Magnesium	4860	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:00
7440-09-7	Potassium	2080	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:00
7440-23-5	Sodium	23500	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:00

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-04
Sampled:	04/26/12 14:38	Received:	04/27/12 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	2E02022	05/03/12 18:41
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E02022	05/03/12 18:41

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05
Sampled:	04/25/12 16:17	Received:	04/27/12 08:20
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	62600	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:05
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 12:05
7439-95-4	Magnesium	8330	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:05
7440-09-7	Potassium	2640	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:05
7440-23-5	Sodium	29300	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:05

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-06
Sampled:	04/25/12 16:17	Received:	04/27/12 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	2E07014	05/11/12 16:29
7439-96-5	Manganese (dissolved)	166	3.00	6.00	15.0	1		SW6010B	2E07014	05/11/12 16:29

ANALYSIS DATA SHEET

GW0594

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/26/12 13:47
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204161-07
Received: 04/27/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	49800	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:09
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E08002	05/11/12 12:09
7439-95-4	Magnesium	6510	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:09
7440-09-7	Potassium	2570	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:09
7440-23-5	Sodium	25100	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:09

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-08
Sampled:	04/26/12 13:47	Received:	04/27/12 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	2E07014	05/11/12 16:33
7439-96-5	Manganese (dissolved)	33.6	3.00	6.00	15.0	1		SW6010B	2E07014	05/11/12 16:33

ANALYSIS DATA SHEET

GW0595

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/26/12 11:36
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204161-09
Received: 04/27/12 08:20

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33900	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:14
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E08002	05/11/12 12:14
7439-95-4	Magnesium	4560	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:14
7440-09-7	Potassium	1990	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:14
7440-23-5	Sodium	21600	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:14

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-10
Sampled:	04/26/12 11:36	Received:	04/27/12 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	2E07014	05/11/12 16:38
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 16:38

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01
Sampled:	04/27/12 15:48	Received:	04/28/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	82900	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:18
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2E08002	05/11/12 12:18
7439-95-4	Magnesium	11400	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:18
7440-09-7	Potassium	3060	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:18
7440-23-5	Sodium	31000	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:18

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-02
Sampled:	04/27/12 15:48	Received:	04/28/12 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	2E07014	05/11/12 16:42
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 16:42

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-03
Sampled:	04/27/12 13:50	Received:	04/28/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	70000	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:23
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 12:23
7439-95-4	Magnesium	9650	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:23
7440-09-7	Potassium	2860	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:23
7440-23-5	Sodium	27900	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:23

ANALYSIS DATA SHEET

GW0531

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-04
Sampled:	04/27/12 13:50	Received:	04/28/12 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	2E07014	05/11/12 16:47
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 16:47

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05
Sampled:	04/27/12 11:33	Received:	04/28/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	55900	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:40
7439-92-1	Lead		2.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 12:40
7439-95-4	Magnesium	7830	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:40
7440-09-7	Potassium	2600	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:40
7440-23-5	Sodium	25000	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:40

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-06
Sampled:	04/27/12 11:33	Received:	04/28/12 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	2E07014	05/11/12 16:51
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2E07014	05/11/12 16:51

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07
Sampled:	04/26/12 16:08	Received:	04/28/12 08:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	82700	1000	2000	5000	1		SW6010B	2E08002	05/11/12 12:44
7439-92-1	Lead		3.00	3.00	3.00	1	M U	SW6010B	2E08002	05/11/12 12:44
7439-95-4	Magnesium	11600	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:44
7440-09-7	Potassium	3250	1000	3000	5000	1	J	SW6010B	2E08002	05/11/12 12:44
7440-23-5	Sodium	31500	1000	3000	5000	1		SW6010B	2E08002	05/11/12 12:44

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-08
Sampled:	04/26/12 16:08	Received:	04/28/12 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)	42.4	30.0	60.0	100	1	J	SW6010B	2E07014	05/11/12 17:09
7439-96-5	Manganese (dissolved)	569	3.00	6.00	15.0	1		SW6010B	2E07014	05/11/12 17:09

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_051
Project: Kirtland AFB 2011
Calibration: 2125001
Sequence: 2E12502

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E12502-ICV1	Iron (dissolved)	10000	10660	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1061	106	ug/L	+/- 10.00%
2E12502-CCV1	Iron (dissolved)	10000	10650	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1026	103	ug/L	+/- 10.00%
2E12502-CCV6	Iron (dissolved)	10000	10340	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1009	101	ug/L	+/- 10.00%
2E12502-CCV7	Iron (dissolved)	10000	9901	99.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1035	103	ug/L	+/- 10.00%
2E12502-CCV8	Iron (dissolved)	10000	10100	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1047	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_051
Project: Kirtland AFB 2011
Calibration: 2132001
Sequence: 2E13113

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13113-ICV1	Calcium	50000	50440	101	ug/L	+/- 10.00%
	Lead	1000	964.1	96.4	ug/L	+/- 10.00%
	Magnesium	50000	50540	101	ug/L	+/- 10.00%
	Potassium	10000	9563	95.6	ug/L	+/- 10.00%
	Sodium	50000	49890	99.8	ug/L	+/- 10.00%
2E13113-CCV1	Calcium	50000	51020	102	ug/L	+/- 10.00%
	Lead	1000	968.8	96.9	ug/L	+/- 10.00%
	Magnesium	50000	50800	102	ug/L	+/- 10.00%
	Potassium	10000	9711	97.1	ug/L	+/- 10.00%
	Sodium	50000	50630	101	ug/L	+/- 10.00%
2E13113-CCV2	Calcium	50000	50070	100	ug/L	+/- 10.00%
	Lead	1000	962.1	96.2	ug/L	+/- 10.00%
	Magnesium	50000	50060	100	ug/L	+/- 10.00%
	Potassium	10000	9477	94.8	ug/L	+/- 10.00%
	Sodium	50000	49780	99.6	ug/L	+/- 10.00%
2E13113-CCV3	Calcium	50000	51160	102	ug/L	+/- 10.00%
	Lead	1000	981.2	98.1	ug/L	+/- 10.00%
	Magnesium	50000	50470	101	ug/L	+/- 10.00%
	Potassium	10000	9854	98.5	ug/L	+/- 10.00%
	Sodium	50000	51120	102	ug/L	+/- 10.00%
2E13113-CCV4	Calcium	50000	49530	99.1	ug/L	+/- 10.00%
	Lead	1000	967.2	96.7	ug/L	+/- 10.00%
	Magnesium	50000	50120	100	ug/L	+/- 10.00%
	Potassium	10000	9708	97.1	ug/L	+/- 10.00%
	Sodium	50000	49620	99.2	ug/L	+/- 10.00%
2E13113-CCV5	Calcium	50000	49940	99.9	ug/L	+/- 10.00%
	Lead	1000	971.8	97.2	ug/L	+/- 10.00%
	Magnesium	50000	49880	99.8	ug/L	+/- 10.00%
	Potassium	10000	9853	98.5	ug/L	+/- 10.00%
	Sodium	50000	50100	100	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_051
Project: Kirtland AFB 2011
Calibration: 2132004
Sequence: 2E13208

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13208-ICV1	Calcium	50000	49990	100	ug/L	+/- 10.00%
	Iron (dissolved)	10000	9943	99.4	ug/L	+/- 10.00%
	Lead	1000	965.2	96.5	ug/L	+/- 10.00%
	Magnesium	50000	49500	99.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	982.6	98.3	ug/L	+/- 10.00%
	Potassium	10000	9881	98.8	ug/L	+/- 10.00%
	Sodium	50000	50370	101	ug/L	+/- 10.00%
2E13208-CCV1	Calcium	50000	50520	101	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10420	104	ug/L	+/- 10.00%
	Lead	1000	962.2	96.2	ug/L	+/- 10.00%
	Magnesium	50000	49910	99.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	988.8	98.9	ug/L	+/- 10.00%
	Potassium	10000	9622	96.2	ug/L	+/- 10.00%
	Sodium	50000	50680	101	ug/L	+/- 10.00%
2E13208-CCV3	Calcium	50000	50770	102	ug/L	+/- 10.00%
	Lead	1000	966.9	96.7	ug/L	+/- 10.00%
	Magnesium	50000	49540	99.1	ug/L	+/- 10.00%
	Potassium	10000	9888	98.9	ug/L	+/- 10.00%
	Sodium	50000	51200	102	ug/L	+/- 10.00%
2E13208-CCV4	Calcium	50000	50090	100	ug/L	+/- 10.00%
	Lead	1000	975.5	97.5	ug/L	+/- 10.00%
	Magnesium	50000	49720	99.4	ug/L	+/- 10.00%
	Potassium	10000	9570	95.7	ug/L	+/- 10.00%
	Sodium	50000	50360	101	ug/L	+/- 10.00%
2E13208-CCV5	Calcium	50000	51670	103	ug/L	+/- 10.00%
	Lead	1000	973.9	97.4	ug/L	+/- 10.00%
	Magnesium	50000	49540	99.1	ug/L	+/- 10.00%
	Potassium	10000	9932	99.3	ug/L	+/- 10.00%
	Sodium	50000	52070	104	ug/L	+/- 10.00%
2E13208-CCV7	Iron (dissolved)	10000	9816	98.2	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	966.6	96.7	ug/L	+/- 10.00%
2E13208-CCV8	Iron (dissolved)	10000	9641	96.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	963.7	96.4	ug/L	+/- 10.00%
2E13208-CCV9	Iron (dissolved)	10000	10680	107	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1069	107	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2125001

Sequence: 2E12502

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E12502-CRL1	Iron (dissolved)	60.00	60.17	100	ug/L	80 - 120
	Manganese (dissolved)	6.000	5.912	98.5	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2132001

Sequence: 2E13113

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E13113-CRL1	Calcium	2000	2065	103	ug/L	80 - 120
	Magnesium	3000	3084	103	ug/L	80 - 120
	Potassium	3000	2934	97.8	ug/L	80 - 120
	Sodium	3000	2964	98.8	ug/L	80 - 120
2E13113-CRL2	Lead	3.000	3.294	110	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2132004

Sequence: 2E13208

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E13208-CRL1	Calcium	2000	2118	106	ug/L	80 - 120
	Iron (dissolved)	60.00	66.89	111	ug/L	80 - 120
	Magnesium	3000	3081	103	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.295	105	ug/L	80 - 120
	Potassium	3000	2901	96.7	ug/L	80 - 120
	Sodium	3000	3086	103	ug/L	80 - 120
2E13208-CRL2	Lead	3.000	2.853	95.1	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E12502
Calibration: 2125001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E12502-ICB1	Iron (dissolved)	1.923	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.01056	3.00	15.0	ug/L	U	SW6010B
2E12502-CCB1	Iron (dissolved)	2.67	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0752	3.00	15.0	ug/L	U	SW6010B
2E12502-CCB6	Iron (dissolved)	-0.772	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0708	3.00	15.0	ug/L	U	SW6010B
2E02022-BLK1	Iron (dissolved)	-0.287	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0474	3.00	15.0	ug/L	U	SW6010B
2E12502-CCB7	Iron (dissolved)	-1.16	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.130	3.00	15.0	ug/L	U	SW6010B
2E12502-CCB8	Iron (dissolved)	-2.88	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0621	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E13113
Calibration: 2132001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13113-ICB1	Calcium	-2.220	1000	5000	ug/L	U	SW6010B
	Lead	0.09437	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-10.52	1000	5000	ug/L	U	SW6010B
	Potassium	70.08	1000	5000	ug/L	U	SW6010B
	Sodium	4.900	1000	5000	ug/L	U	SW6010B
2E13113-CCB1	Calcium	-0.120	1000	5000	ug/L	U	SW6010B
	Lead	0.469	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-2.79	1000	5000	ug/L	U	SW6010B
	Potassium	54.3	1000	5000	ug/L	U	SW6010B
	Sodium	5.67	1000	5000	ug/L	U	SW6010B
2E13113-CCB2	Calcium	20.8	1000	5000	ug/L	U	SW6010B
	Lead	0.232	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.89	1000	5000	ug/L	U	SW6010B
	Potassium	57.5	1000	5000	ug/L	U	SW6010B
	Sodium	19.6	1000	5000	ug/L	U	SW6010B
2E07010-BLK1	Calcium	15.9	1000	5000	ug/L	U	SW6010B
	Lead	0.654	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-6.90	1000	5000	ug/L	U	SW6010B
	Potassium	85.4	1000	5000	ug/L	U	SW6010B
	Sodium	21.0	1000	5000	ug/L	U	SW6010B
2E13113-CCB3	Calcium	14.9	1000	5000	ug/L	U	SW6010B
	Lead	0.252	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.710	1000	5000	ug/L	U	SW6010B
	Potassium	64.4	1000	5000	ug/L	U	SW6010B
	Sodium	14.1	1000	5000	ug/L	U	SW6010B
2E13113-CCB4	Calcium	5.84	1000	5000	ug/L	U	SW6010B
	Lead	0.984	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-11.0	1000	5000	ug/L	U	SW6010B
	Potassium	67.1	1000	5000	ug/L	U	SW6010B
	Sodium	13.4	1000	5000	ug/L	U	SW6010B
2E07011-BLK1	Calcium	3.17	1000	5000	ug/L	U	SW6010B
	Lead	0.174	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-11.3	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E13113
Calibration: 2132001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E07011-BLK1	Potassium	80.5	1000	5000	ug/L	U	SW6010B
	Sodium	2.46	1000	5000	ug/L	U	SW6010B
2E13113-CCB5	Calcium	-0.400	1000	5000	ug/L	U	SW6010B
	Lead	0.558	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-12.3	1000	5000	ug/L	U	SW6010B
	Potassium	73.9	1000	5000	ug/L	U	SW6010B
	Sodium	47.5	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E13208
Calibration: 2132004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13208-ICB1	Calcium	0.5500	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.6470	30.0	100	ug/L	U	SW6010B
	Lead	-0.5216	1.50	3.00	ug/L	U	SW6010B
	Magnesium	1.240	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	-0.003740	3.00	15.0	ug/L	U	SW6010B
	Potassium	6.750	1000	5000	ug/L	U	SW6010B
	Sodium	16.67	1000	5000	ug/L	U	SW6010B
2E13208-CCB1	Calcium	2.44	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	1.45	30.0	100	ug/L	U	SW6010B
	Lead	-0.911	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.81	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0482	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.58	1000	5000	ug/L	U	SW6010B
	Sodium	14.6	1000	5000	ug/L	U	SW6010B
2E13208-CCB3	Calcium	1.87	1000	5000	ug/L	U	SW6010B
	Lead	-0.423	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.490	1000	5000	ug/L	U	SW6010B
	Potassium	-9.93	1000	5000	ug/L	U	SW6010B
	Sodium	22.7	1000	5000	ug/L	U	SW6010B
2E08002-BLK1	Calcium	14.6	1000	5000	ug/L	U	SW6010B
	Lead	0.865	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-4.08	1000	5000	ug/L	U	SW6010B
	Potassium	7.87	1000	5000	ug/L	U	SW6010B
	Sodium	17.6	1000	5000	ug/L	U	SW6010B
2E13208-CCB4	Calcium	10.4	1000	5000	ug/L	U	SW6010B
	Lead	-0.657	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.62	1000	5000	ug/L	U	SW6010B
	Potassium	23.8	1000	5000	ug/L	U	SW6010B
	Sodium	24.9	1000	5000	ug/L	U	SW6010B
2E13208-CCB5	Calcium	9.02	1000	5000	ug/L	U	SW6010B
	Lead	-0.149	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.73	1000	5000	ug/L	U	SW6010B
	Potassium	4.73	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2E13208
Calibration: 2132004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13208-CCB5	Sodium	16.4	1000	5000	ug/L	U	SW6010B
2E13208-CCB7	Iron (dissolved)	3.07	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0633	3.00	15.0	ug/L	U	SW6010B
2E07014-BLK1	Iron (dissolved)	1.55	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0617	3.00	15.0	ug/L	U	SW6010B
2E13208-CCB8	Iron (dissolved)	0.597	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.172	3.00	15.0	ug/L	U	SW6010B
2E13208-CCB9	Iron (dissolved)	2.94	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0876	3.00	15.0	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2125001

Sequence: 2E12502

Lab Sample ID	Analyte	True	Found	%R	Units
2E12502-IFA1	Iron (dissolved)	200000	203,080.00	102	ug/L
	Manganese (dissolved)		-5.02		ug/L
2E12502-IFB1	Iron (dissolved)	200000	204,900.00	102	ug/L
	Manganese (dissolved)	500.0	477.91	95.6	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2132001
Sequence: 2E13113

Lab Sample ID	Analyte	True	Found	%R	Units
2E13113-IFA1	Calcium	500000	449,560.00	89.9	ug/L
	Lead		-6.80		ug/L
	Magnesium	500000	451,170.00	90.2	ug/L
	Potassium		-74.54		ug/L
	Sodium		68.29		ug/L
2E13113-IFB1	Calcium	500000	484,240.00	96.8	ug/L
	Lead	50.00	41.10	82.2	ug/L
	Magnesium	500000	496,680.00	99.3	ug/L
	Potassium		-93.79		ug/L
	Sodium		174.99		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2132004
Sequence: 2E13208

Lab Sample ID	Analyte	True	Found	%R	Units
2E13208-IFA1	Calcium	500000	485,170.00	97.0	ug/L
	Iron (dissolved)	200000	208,780.00	104	ug/L
	Lead		-0.77		ug/L
	Magnesium	500000	494,030.00	98.8	ug/L
	Manganese (dissolved)		-4.90		ug/L
	Potassium		-110.24		ug/L
	Sodium		70.29		ug/L
2E13208-IFB1	Calcium	500000	473,370.00	94.7	ug/L
	Iron (dissolved)	200000	203,330.00	102	ug/L
	Lead	50.00	44.54	89.1	ug/L
	Magnesium	500000	491,930.00	98.4	ug/L
	Manganese (dissolved)	500.0	461.37	92.3	ug/L
	Potassium		-128.51		ug/L
	Sodium		79.89		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E02022

% Solids:

Source Sample Name: **1204139-04**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1027	103		80 - 120
Manganese (dissolved)	500.0	ND	510.3	102		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1030	103	0.272		20	80 - 120
Manganese (dissolved)	500.0	511.4	102	0.200		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07010

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	47070	51600	90.7		80 - 120
Lead	250.0	ND	239.7	95.9		80 - 120
Magnesium	5000	6637	11400	95.2		80 - 120
Potassium	5000	2634	7393	95.2		80 - 120
Sodium	5000	24040	28850	96.2		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	52570	110	1.85		20	80 - 120
Lead	250.0	241.9	96.8	0.939		20	80 - 120
Magnesium	5000	11370	94.7	0.211		20	80 - 120
Potassium	5000	7404	95.4	0.143		20	80 - 120
Sodium	5000	29340	106	1.68		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0558

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E07010
Preparation: MET_3005A

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 2E07010-PS1
Lab Source ID: 1204139-03
Initial/Final: 50 mL / 50 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	**53860**	**47070**	**5000**	**136**	**80 - 120**
Lead	246.3	ND	250.0	98.7	80 - 120
Magnesium	11590	6637	5000	99.0	80 - 120
Potassium	7634	2634	5000	100	80 - 120
Sodium	**30130**	**24040**	**5000**	**122**	**80 - 120**

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E02022	Laboratory ID:	2E02022-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	1074	107	80 - 120
Manganese (dissolved)	500.0	519.7	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07010	Laboratory ID:	2E07010-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	5078	102	80 - 120
Lead	250.0	239.7	95.9	80 - 120
Magnesium	5000	5024	100	80 - 120
Potassium	5000	4472	89.4	80 - 120
Sodium	5000	4836	96.7	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07011	Laboratory ID:	2E07011-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	5098	102	80 - 120
Lead	250.0	246.2	98.5	80 - 120
Magnesium	5000	5110	102	80 - 120
Potassium	5000	4709	94.2	80 - 120
Sodium	5000	4903	98.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07014	Laboratory ID:	2E07014-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	1159	116	80 - 120
Manganese (dissolved)	500.0	552.6	111	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08002	Laboratory ID:	2E08002-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	5223	104	80 - 120
Lead	250.0	241.5	96.6	80 - 120
Magnesium	5000	4989	99.8	80 - 120
Potassium	5000	4630	92.6	80 - 120
Sodium	5000	5036	101	80 - 120

SERIAL DILUTION

SW6010B

GW0558

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2E12502
Preparation: MET_3005A

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 2E02022-DUP1
Lab Source ID: 1204139-04
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

GW0558

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2E13113
Preparation: MET_3005A

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 2E07010-DUP1
Lab Source ID: 1204139-03
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	47070	49646	5.47		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	6637.3	6746.5	1.65		SW6010B	10.00
Potassium	2634.4	ND			SW6010B	10.00
Sodium	24043	25036	4.13		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_051

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_051

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_051

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_051

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_051

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_051

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_051

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E02022 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-02	05/02/12 16:10	50.00	50.00
GW0542	1204127-04	05/02/12 16:10	50.00	50.00
GW0620	1204127-06	05/02/12 16:10	50.00	50.00
GW0621	1204127-08	05/02/12 16:10	50.00	50.00
GW0622	1204127-10	05/02/12 16:10	50.00	50.00
GW0540	1204139-02	05/02/12 16:10	50.00	50.00
GW0558	1204139-04	05/02/12 16:10	50.00	50.00
GW0559	1204139-06	05/02/12 16:10	50.00	50.00
GW0566	1204139-08	05/02/12 16:10	50.00	50.00
GW0567	1204139-10	05/02/12 16:10	50.00	50.00
GW0568	1204139-12	05/02/12 16:10	50.00	50.00
GW0619	1204139-14	05/02/12 16:10	50.00	50.00
GW0557	1204147-02	05/02/12 16:10	50.00	50.00
GW0569	1204147-04	05/02/12 16:10	50.00	50.00
GW0571	1204147-06	05/02/12 16:10	50.00	50.00
GW0572	1204147-08	05/02/12 16:10	50.00	50.00
GW0574	1204147-10	05/02/12 16:10	50.00	50.00
GW0575	1204147-12	05/02/12 16:10	50.00	50.00
GW0514	1204161-02	05/02/12 16:10	50.00	50.00
GW0515	1204161-04	05/02/12 16:10	50.00	50.00
Blank	2E02022-BLK1	05/02/12 16:10	50.00	50.00
LCS	2E02022-BS1	05/02/12 16:10	50.00	50.00
GW0558	2E02022-DUP1	05/02/12 16:10	50.00	50.00
GW0558	2E02022-MS1	05/02/12 16:10	50.00	50.00
GW0558	2E02022-MSD1	05/02/12 16:10	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E07010 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	05/07/12 09:29	50.00	50.00
GW0542	1204127-03	05/07/12 09:29	50.00	50.00
GW0620	1204127-05	05/07/12 09:29	50.00	50.00
GW0621	1204127-07	05/07/12 09:29	50.00	50.00
GW0622	1204127-09	05/07/12 09:29	50.00	50.00
GW0540	1204139-01	05/07/12 09:29	50.00	50.00
GW0558	1204139-03	05/07/12 09:29	50.00	50.00
GW0559	1204139-05	05/07/12 09:29	50.00	50.00
GW0566	1204139-07	05/07/12 09:29	50.00	50.00
GW0567	1204139-09	05/07/12 09:29	50.00	50.00
GW0568	1204139-11	05/07/12 09:29	50.00	50.00
Blank	2E07010-BLK1	05/07/12 09:29	50.00	50.00
LCS	2E07010-BS1	05/07/12 09:29	50.00	50.00
GW0558	2E07010-DUP1	05/07/12 09:29	50.00	50.00
GW0558	2E07010-MS1	05/07/12 09:29	50.00	50.00
GW0558	2E07010-MSD1	05/07/12 09:29	50.00	50.00
GW0558	2E07010-PS1	05/07/12 09:29	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E07011 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0619	1204139-13	05/07/12 09:32	50.00	50.00
GW0557	1204147-01	05/07/12 09:32	50.00	50.00
GW0569	1204147-03	05/07/12 09:32	50.00	50.00
GW0571	1204147-05	05/07/12 09:32	50.00	50.00
GW0572	1204147-07	05/07/12 09:32	50.00	50.00
GW0574	1204147-09	05/07/12 09:32	50.00	50.00
GW0575	1204147-11	05/07/12 09:32	50.00	50.00
Blank	2E07011-BLK1	05/07/12 09:32	50.00	50.00
LCS	2E07011-BS1	05/07/12 09:32	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E07014 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0573	1204161-06	05/07/12 14:24	50.00	50.00
GW0594	1204161-08	05/07/12 14:24	50.00	50.00
GW0595	1204161-10	05/07/12 14:24	50.00	50.00
GW0530	1204164-02	05/07/12 14:24	50.00	50.00
GW0531	1204164-04	05/07/12 14:24	50.00	50.00
GW0532	1204164-06	05/07/12 14:24	50.00	50.00
GW0593	1204164-08	05/07/12 14:24	50.00	50.00
Blank	2E07014-BLK1	05/07/12 14:24	50.00	50.00
LCS	2E07014-BS1	05/07/12 14:24	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E08002 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0514	1204161-01	05/08/12 08:36	50.00	50.00
GW0515	1204161-03	05/08/12 08:36	50.00	50.00
GW0573	1204161-05	05/08/12 08:36	50.00	50.00
GW0594	1204161-07	05/08/12 08:36	50.00	50.00
GW0595	1204161-09	05/08/12 08:36	50.00	50.00
GW0530	1204164-01	05/08/12 08:36	50.00	50.00
GW0531	1204164-03	05/08/12 08:36	50.00	50.00
GW0532	1204164-05	05/08/12 08:36	50.00	50.00
GW0593	1204164-07	05/08/12 08:36	50.00	50.00
Blank	2E08002-BLK1	05/08/12 08:36	50.00	50.00
LCS	2E08002-BS1	05/08/12 08:36	50.00	50.00

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12502	Instrument:	ME-ICP
Calibration:	2125001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E12502-CAL1	050312A-001	05/03/12 08:25
Cal Standard	2E12502-CAL2	050312A-002	05/03/12 08:31
Cal Standard	2E12502-CAL3	050312A-003	05/03/12 08:36
Cal Standard	2E12502-CAL4	050312A-004	05/03/12 08:40
Cal Standard	2E12502-CAL5	050312A-005	05/03/12 08:46
Cal Standard	2E12502-CAL6	050312A-006	05/03/12 08:51
Initial Cal Check	2E12502-ICV1	050312B-001	05/03/12 09:35
Initial Cal Blank	2E12502-ICB1	050312B-002	05/03/12 09:42
Instrument RL Check	2E12502-CRL1	050312B-005	05/03/12 09:59
Interference Check A	2E12502-IFA1	050312B-007	05/03/12 10:09
Interference Check B	2E12502-IFB1	050312B-008	05/03/12 10:15
Calibration Check	2E12502-CCV1	050312B-010	05/03/12 10:27
Calibration Blank	2E12502-CCB1	050312B-011	05/03/12 10:34
Calibration Check	2E12502-CCV6	050312C-038	05/03/12 16:19
Calibration Blank	2E12502-CCB6	050312C-039	05/03/12 16:26
Blank	2E02022-BLK1	050312C-040	05/03/12 16:31
LCS	2E02022-BS1	050312C-041	05/03/12 16:36
GW0541	1204127-02	050312C-042	05/03/12 16:42
GW0542	1204127-04	050312C-043	05/03/12 16:47
GW0620	1204127-06	050312C-044	05/03/12 16:52
GW0621	1204127-08	050312C-045	05/03/12 16:57
GW0622	1204127-10	050312C-046	05/03/12 17:01
GW0540	1204139-02	050312C-047	05/03/12 17:06
GW0558	1204139-04	050312C-048	05/03/12 17:11
GW0558	2E02022-MS1	050312C-049	05/03/12 17:15
GW0558	2E02022-MSD1	050312C-050	05/03/12 17:20
GW0558	2E02022-DUP1	050312C-051	05/03/12 17:26
GW0559	1204139-06	050312C-052	05/03/12 17:30
GW0566	1204139-08	050312C-053	05/03/12 17:35
GW0567	1204139-10	050312C-054	05/03/12 17:40
Calibration Check	2E12502-CCV7	050312C-055	05/03/12 17:46
Calibration Blank	2E12502-CCB7	050312C-056	05/03/12 17:53

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12502	Instrument:	ME-ICP
Calibration:	2125001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0568	1204139-12	050312C-057	05/03/12 17:58
GW0619	1204139-14	050312C-058	05/03/12 18:03
GW0557	1204147-02	050312C-059	05/03/12 18:08
GW0569	1204147-04	050312C-060	05/03/12 18:12
GW0571	1204147-06	050312C-061	05/03/12 18:17
GW0572	1204147-08	050312C-062	05/03/12 18:22
GW0574	1204147-10	050312C-063	05/03/12 18:27
GW0575	1204147-12	050312C-064	05/03/12 18:31
GW0514	1204161-02	050312C-065	05/03/12 18:36
GW0515	1204161-04	050312C-066	05/03/12 18:41
Calibration Check	2E12502-CCV8	050312C-067	05/03/12 18:46
Calibration Blank	2E12502-CCB8	050312C-068	05/03/12 18:54

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13113	Instrument:	ME-ICP
Calibration:	2132001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13113-CAL1	051012A-001	05/10/12 13:39
Cal Standard	2E13113-CAL5	051012A-005	05/10/12 13:55
Cal Standard	2E13113-CAL6	051012A-006	05/10/12 14:00
Cal Standard	2E13113-CAL7	051012A-007	05/10/12 14:05
Cal Standard	2E13113-CAL8	051012A-008	05/10/12 14:09
Cal Standard	2E13113-CAL3	051012A-009	05/10/12 14:16
Cal Standard	2E13113-CAL2	051012A-010	05/10/12 14:21
Initial Cal Check	2E13113-ICV1	051012B-001	05/10/12 14:52
Initial Cal Blank	2E13113-ICB1	051012B-002	05/10/12 14:59
Instrument RL Check	2E13113-CRL1	051012B-004	05/10/12 15:08
Instrument RL Check	2E13113-CRL2	051012B-005	05/10/12 15:13
Interference Check A	2E13113-IFA1	051012B-008	05/10/12 15:28
Interference Check B	2E13113-IFB1	051012B-009	05/10/12 15:33
Calibration Check	2E13113-CCV1	051012B-011	05/10/12 15:45
Calibration Blank	2E13113-CCB1	051012B-012	05/10/12 15:52
Calibration Check	2E13113-CCV2	051012B-018	05/10/12 16:21
Calibration Blank	2E13113-CCB2	051012B-019	05/10/12 16:29
Blank	2E07010-BLK1	051012C-001	05/10/12 16:35
LCS	2E07010-BS1	051012C-002	05/10/12 16:40
GW0541	1204127-01	051012C-003	05/10/12 16:46
GW0542	1204127-03	051012C-004	05/10/12 16:50
GW0620	1204127-05	051012C-005	05/10/12 16:55
GW0621	1204127-07	051012C-006	05/10/12 16:59
GW0622	1204127-09	051012C-007	05/10/12 17:04
Calibration Check	2E13113-CCV3	051012C-013	05/10/12 17:32
Calibration Blank	2E13113-CCB3	051012C-014	05/10/12 17:39
GW0540	1204139-01	051012C-019	05/10/12 18:02
GW0558	1204139-03	051012C-020	05/10/12 18:06
GW0558	2E07010-MS1	051012C-021	05/10/12 18:11
GW0558	2E07010-MSD1	051012C-022	05/10/12 18:15
GW0558	2E07010-PS1	051012C-023	05/10/12 18:19
GW0558	2E07010-DUP1	051012C-024	05/10/12 18:24

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13113	Instrument:	ME-ICP
Calibration:	2132001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0559	1204139-05	051012C-025	05/10/12 18:29
GW0566	1204139-07	051012C-026	05/10/12 18:33
GW0567	1204139-09	051012C-027	05/10/12 18:38
GW0568	1204139-11	051012C-028	05/10/12 18:42
Calibration Check	2E13113-CCV4	051012C-029	05/10/12 18:48
Calibration Blank	2E13113-CCB4	051012C-030	05/10/12 18:55
Blank	2E07011-BLK1	051012C-031	05/10/12 18:59
LCS	2E07011-BS1	051012C-032	05/10/12 19:04
GW0619	1204139-13	051012C-033	05/10/12 19:10
GW0557	1204147-01	051012C-034	05/10/12 19:15
GW0569	1204147-03	051012C-035	05/10/12 19:19
GW0571	1204147-05	051012C-036	05/10/12 19:24
GW0572	1204147-07	051012C-037	05/10/12 19:28
GW0574	1204147-09	051012C-038	05/10/12 19:33
GW0575	1204147-11	051012C-039	05/10/12 19:37
Calibration Check	2E13113-CCV5	051012C-043	05/10/12 19:57
Calibration Blank	2E13113-CCB5	051012C-044	05/10/12 20:04

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13208	Instrument:	ME-ICP
Calibration:	2132004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13208-CAL1	051112A-001	05/11/12 08:29
Cal Standard	2E13208-CAL1	051112A-001	05/11/12 08:29
Cal Standard	2E13208-CAL2	051112A-002	05/11/12 08:34
Cal Standard	2E13208-CAL2	051112A-002	05/11/12 08:34
Cal Standard	2E13208-CAL3	051112A-003	05/11/12 08:38
Cal Standard	2E13208-CAL3	051112A-003	05/11/12 08:38
Cal Standard	2E13208-CAL4	051112A-004	05/11/12 08:42
Cal Standard	2E13208-CAL5	051112A-005	05/11/12 08:48
Cal Standard	2E13208-CAL5	051112A-005	05/11/12 08:48
Cal Standard	2E13208-CAL6	051112A-006	05/11/12 08:53
Cal Standard	2E13208-CAL6	051112A-006	05/11/12 08:53
Cal Standard	2E13208-CAL7	051112A-007	05/11/12 08:59
Cal Standard	2E13208-CAL8	051112A-008	05/11/12 09:03
Initial Cal Check	2E13208-ICV1	051112B-001	05/11/12 09:36
Initial Cal Check	2E13208-ICV1	051112B-001	05/11/12 09:36
Initial Cal Blank	2E13208-ICB1	051112B-002	05/11/12 09:44
Initial Cal Blank	2E13208-ICB1	051112B-002	05/11/12 09:44
Instrument RL Check	2E13208-CRL1	051112B-003	05/11/12 09:48
Instrument RL Check	2E13208-CRL1	051112B-003	05/11/12 09:48
Instrument RL Check	2E13208-CRL2	051112B-004	05/11/12 09:53
Interference Check A	2E13208-IFA1	051112B-005	05/11/12 09:57
Interference Check A	2E13208-IFA1	051112B-005	05/11/12 09:57
Interference Check B	2E13208-IFB1	051112B-006	05/11/12 10:04
Interference Check B	2E13208-IFB1	051112B-006	05/11/12 10:04
Calibration Check	2E13208-CCV1	051112B-008	05/11/12 10:14
Calibration Check	2E13208-CCV1	051112B-008	05/11/12 10:14
Calibration Blank	2E13208-CCB1	051112B-009	05/11/12 10:22
Calibration Blank	2E13208-CCB1	051112B-009	05/11/12 10:22
Calibration Check	2E13208-CCV3	051112C-001	05/11/12 11:07
Calibration Blank	2E13208-CCB3	051112D-001	05/11/12 11:18
Blank	2E08002-BLK1	051112D-002	05/11/12 11:23
LCS	2E08002-BS1	051112D-003	05/11/12 11:27

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13208	Instrument:	ME-ICP
Calibration:	2132004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0514	1204161-01	051112D-009	05/11/12 11:56
GW0515	1204161-03	051112D-010	05/11/12 12:00
GW0573	1204161-05	051112D-011	05/11/12 12:05
GW0594	1204161-07	051112D-012	05/11/12 12:09
GW0595	1204161-09	051112D-013	05/11/12 12:14
GW0530	1204164-01	051112D-014	05/11/12 12:18
GW0531	1204164-03	051112D-015	05/11/12 12:23
Calibration Check	2E13208-CCV4	051112D-016	05/11/12 12:28
Calibration Blank	2E13208-CCB4	051112D-017	05/11/12 12:35
GW0532	1204164-05	051112D-018	05/11/12 12:40
GW0593	1204164-07	051112D-019	05/11/12 12:44
Calibration Check	2E13208-CCV5	051112D-032	05/11/12 13:44
Calibration Blank	2E13208-CCB5	051112D-033	05/11/12 13:51
Calibration Check	2E13208-CCV7	051112D-054	05/11/12 15:38
Calibration Blank	2E13208-CCB7	051112D-055	05/11/12 15:45
Blank	2E07014-BLK1	051112E-001	05/11/12 16:00
LCS	2E07014-BS1	051112E-002	05/11/12 16:05
GW0573	1204161-06	051112E-007	05/11/12 16:29
GW0594	1204161-08	051112E-008	05/11/12 16:33
GW0595	1204161-10	051112E-009	05/11/12 16:38
GW0530	1204164-02	051112E-010	05/11/12 16:42
GW0531	1204164-04	051112E-011	05/11/12 16:47
GW0532	1204164-06	051112E-012	05/11/12 16:51
Calibration Check	2E13208-CCV8	051112E-013	05/11/12 16:57
Calibration Blank	2E13208-CCB8	051112E-014	05/11/12 17:04
GW0593	1204164-08	051112E-015	05/11/12 17:09
Calibration Check	2E13208-CCV9	051112E-025	05/11/12 17:55
Calibration Blank	2E13208-CCB9	051112E-026	05/11/12 18:02

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2125001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/3/12 8:25 5/3/12 9:02

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	2.0044E-05	10000	2.0303E-05			500000	2.036E-05		
Antimony	0	0	100	0.0004923	1000	5.0974E-04					10000	4.9161E-04
Arsenic	0	0	100	0.0003165	1000	0.0003415					10000	3.3451E-04
Barium	0	0	50	0.0103714	1000	0.0099544	5000	0.0101752				
Beryllium	0	0	100	0.0024553	1000	0.0024411					10000	0.0023649
Boron	0	0	50	0.0000126	1000	1.248E-05					5000	1.2862E-05
Cadmium	0	0	100	0.015275	1000	0.015639					10000	0.014843
Calcium	0	0	1100	5.671818E-05	50000	5.3688E-05					10000	
Chromium	0	0	100	0.0000447	1000	4.309E-05					10000	4.3563E-05
Cobalt	0	0	100	0.0044302	1000	0.0043251					10000	0.0043226
Copper	0	0	100	0.0000508	1000	4.643E-05					10000	4.5345E-05
Iron	0	0	5100	1.959804E-05	10000	1.8781E-05			500000	1.8632E-05	10000	
Lead	0	0	100	0.0011805	1000	0.0011475					10000	0.0011664
Magnesium	0	0	5100		50000	2.4488E-06			500000	2.5022E-06	10000	
Manganese	0	0	100	0.0002386	1000	2.3076E-04	10000	2.3282E-04			10000	
Molybdenum	0	0	100	0.0034663	1000	0.0036014					10000	0.0035623
Nickel	0	0	100	0.0030328	1000	0.0030213					10000	0.0030486
Potassium	0	0	1000	8.96E-06	10000	1.2418E-05						
Selenium	0	0	100	0.0003615	1000	3.7281E-04					10000	3.6219E-04
Silver	0	0	20	0.000059	500	5.648E-05	2000	6.037E-05				
Sodium	0	0	1000		50000	3.5858E-05						
Strontium	0	0	100	0.001353	1000	0.001338					10000	0.001348
Thallium	0	0	100	0.0005215	1000	0.0005095					10000	0.0004988
Tin	0	0	50	0.0012024	1000	0.0012544					5000	0.0012453
Titanium	0	0	100	0.0001913	1000	1.8569E-04					10000	1.8763E-04
Vanadium	0	0	100	0.0000457	1000	4.544E-05					10000	4.6404E-05
Zinc	0	0	100	0.0064902	1000	0.0065638					10000	0.0064599

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2125001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/3/12 8:25 5/3/12 9:02

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	5.5694E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.574E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3288E-05										
Selenium												
Silver												
Sodium	100000	3.4968E-05	500000	3.4648E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2125001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/3/12 8:25 5/3/12 9:02

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.517675E-05	66.67283	6.775765	183.4109	1		0.998	
Antimony	3.734125E-04	66.7045	17.19178	194.7715	0.9999861		0.998	
Arsenic	2.481275E-04	66.80164	12.32392	192.4298	0.9999941		0.998	
Barium	7.62525E-03	66.70408	0.37191	104.5281	0.9999782		0.998	
Beryllium	1.815325E-03	66.70251	4.024252	168.2604	0.9999906		0.998	
Boron	9.4855E-06	66.68787	1.38855	138.5107	0.9999589		0.998	
Cadmium	1.143925E-02	66.72731	1.140545	138.995	0.9999724		0.998	
Calcium	4.152505E-05	66.73551	3.178922	156.4489	0.9999868		0.998	
Chromium	3.283825E-05	66.69841	2.888985	174.6176	0.9999985		0.998	
Cobalt	3.269475E-03	66.68431	0.771505	115.6743	1		0.998	
Copper	3.564375E-05	66.99403	1.747942	110.0502	0.9999975		0.998	
Iron	1.425276E-05	66.73321	8.10137	187.0219	0.9999998		0.998	
Lead	0.0008736	66.68463	25.87013	197.2673	0.9999971		0.998	
Magnesium	1.88125E-06	66.72241	1.421485	148.8992	0.9999456		0.998	
Manganese	1.75545E-04	66.69346	1.311675	90.98996	0.9999989		0.998	
Molybdenum	0.0026575	66.70087	14.23178	196.8527	0.9999985		0.998	
Nickel	2.275675E-03	66.66848	5.02651	191.4785	0.9999991		0.998	
Potassium	8.6665E-06	70.06884	2.957743	151.6621	0.9999855		0.998	
Selenium	2.74125E-04	66.69341	24.85526	194.6889	0.9999916		0.998	
Silver	4.39625E-05	66.76731	2.12547	111.6807	0.9997082		0.998	
Sodium	2.63685E-05	66.69493	8.14957	188.6964	0.9999893		0.998	
Strontium	1.00975E-03	66.66953	3.379275	158.446	0.9999995		0.998	
Thallium	3.8245E-04	66.71074	3.50786	179.7936	0.9999952		0.998	
Tin	9.25525E-04	66.71167	5.206243	183.7327	0.9999969		0.998	
Titanium	1.41155E-04	66.68703	3.723665	174.1059	0.9999986		0.998	
Vanadium	3.4386E-05	66.67718	42.24117	198.0521	0.9999959		0.998	
Zinc	4.878475E-03	66.67267	3.428992	186.7311	0.9999975		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2132001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/10/12 13:39	5/10/12 14:21

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	2.152E-05	10000	2.1995E-05			500000	2.2854E-05		
Antimony	0	0	100	0.0005468	1000	6.0754E-04					10000	5.8254E-04
Arsenic	0	0	100	0.0002941	1000	3.2747E-04					10000	3.0942E-04
Barium	0	0	50	0.010464	1000	0.01024	5000	0.0099432				
Beryllium	0	0	100	0.0020777	1000	0.0021358					10000	0.0021649
Boron	0	0	50	0.0000168	1000	1.723E-05					5000	1.697E-05
Cadmium	0	0	100	0.016607	1000	0.017093					10000	0.016168
Calcium	0	0	1100	6.481818E-05	50000	6.1886E-05					10000	
Chromium	0	0	100	0.0000424	1000	4.166E-05					10000	4.1262E-05
Cobalt	0	0	100	0.0047391	1000	0.0047885					10000	0.004858
Copper	0	0	100	0.0000789	1000	7.363E-05					10000	7.5215E-05
Iron	0	0	5100	1.74098E-05	10000	1.6754E-05			500000	1.57324E-05	10000	
Lead	0	0	100	0.0011682	1000	0.0011585					10000	0.0011953
Magnesium	0	0	5100		50000	1.8716E-06			500000	1.84254E-06	10000	
Manganese	0	0	100	0.00029	1000	0.0002838	10000	2.9289E-04			10000	
Molybdenum	0	0	100	0.0035	1000	0.0036383					10000	0.0035466
Nickel	0	0	100	0.0031113	1000	0.003133					10000	0.0030563
Potassium	0	0	1000	0.0000124	10000	1.4478E-05						
Selenium	0	0	100	0.0003631	1000	3.6532E-04					10000	0.0003538
Silver	0	0	20	0.000053	500	5.088E-05	2000	5.4785E-05				
Sodium	0	0	1000		50000	6.0594E-05						
Strontium	0	0	100	0.001574	1000	0.001603					10000	0.001664
Thallium	0	0	100	0.0007536	1000	7.3991E-04					10000	7.3098E-04
Tin	0	0	50	0.0011976	1000	0.0012314					5000	1.21306E-03
Titanium	0	0	100	0.0002047	1000	2.0735E-04					10000	2.1287E-04
Vanadium	0	0	100	0.0000418	1000	4.125E-05					10000	4.0362E-05
Zinc	0	0	100	0.0065042	1000	0.0067193					10000	0.0065124

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132001	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/10/12 13:39 5/10/12 14:21

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.0658E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.8984E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.5123E-05										
Selenium												
Silver												
Sodium	100000	6.0317E-05	500000	5.9018E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2132001		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/10/12 13:39	5/10/12 14:21

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.659225E-05	66.74965	108.6444	199.4308	0.9999996		0.998	
Antimony	4.3422E-04	66.91335	2.607393	149.9022	0.9999753		0.998	
Arsenic	2.327475E-04	66.9237	5.957818	182.0965	0.9999608		0.998	
Barium	0.0076618	66.72477	0.8835925	138.1449	0.9999643		0.998	
Beryllium	0.0015946	66.70541	11.67777	189.9853	0.9999985		0.998	
Boron	1.275E-05	66.68109	11.69847	193.3361	0.99999		0.998	
Cadmium	0.012467	66.7355	3.359608	178.5091	0.9999685		0.998	
Calcium	4.684055E-05	66.7707	1.407667	135.9752	0.9999962		0.998	
Chromium	3.13305E-05	66.68366	11.48911	192.5853	0.9999992		0.998	
Cobalt	0.0035964	66.68046	2.764568	181.5484	0.9999981		0.998	
Copper	5.693625E-05	66.77933	0.789955	75.48017	0.9999932		0.998	
Iron	1.247405E-05	66.89589	5.41607	169.2817	0.9999987		0.998	
Lead	0.0008805	66.69012	71.83832	198.8371	0.999991		0.998	
Magnesium	1.403135E-06	66.68649	22.34017	196.8061	0.9999639		0.998	
Manganese	2.166725E-04	66.68963	0.7943475	49.6518	0.9999906		0.998	
Molybdenum	2.671225E-03	66.70135	46.62604	198.5501	0.9999929		0.998	
Nickel	2.32515E-03	66.68112	20.70017	196.4782	0.9999941		0.998	
Potassium	1.050025E-05	67.57866	2.519565	142.2697	0.9999929		0.998	
Selenium	2.70555E-04	66.69218	7.726467	192.8667	0.9999915		0.998	
Silver	3.966625E-05	66.788	2.512735	125.123	0.9996442		0.998	
Sodium	4.498225E-05	66.68416	4.965725	183.643	0.9999814		0.998	
Strontium	1.21025E-03	66.73867	3.881725	166.6028	0.9999883		0.998	
Thallium	5.561225E-04	66.68765	1.9287	155.0238	0.9999983		0.998	
Tin	9.10515E-04	66.68393	60.51347	198.6629	0.9999897		0.998	
Titanium	1.5623E-04	66.70225	10.39132	193.2388	0.9999938		0.998	
Vanadium	3.0853E-05	66.69432	3.882835	165.9145	0.9999961		0.998	
Zinc	4.933975E-03	66.69717	2.121053	168.4384	0.99999		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

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	2.1174E-05	10000	2.1329E-05			500000	2.051E-05		
Antimony	0	0	100	0.000556	1000	6.0829E-04					10000	0.0005877
Arsenic	0	0	100	0.0002901	1000	3.2623E-04					10000	0.0003127
Barium	0	0	50	0.0105004	1000	0.010273	5000	0.010161				
Beryllium	0	0	100	0.0021615	1000	0.0021819					10000	0.0021287
Boron	0	0	50	0.0000152	1000	1.629E-05					5000	1.5898E-05
Cadmium	0	0	100	0.016094	1000	0.016804					10000	0.015854
Calcium	0	0	1100	6.040909E-05	50000	5.8074E-05					10000	
Chromium	0	0	100	0.0000407	1000	4.141E-05					10000	4.1048E-05
Cobalt	0	0	100	0.004504	1000	0.0045975					10000	0.0046621
Copper	0	0	100	7.189999E-05	1000	6.776E-05					10000	6.8128E-05
Iron	0	0	5100	1.593726E-05	10000	1.5312E-05			500000	1.53688E-05	10000	
Lead	0	0	100	0.0010982	1000	0.0011095					10000	0.0011373
Magnesium	0	0	5100		50000	1.8434E-06			500000	1.84662E-06	10000	
Manganese	0	0	100	0.0002648	1000	2.6507E-04	10000	2.6466E-04			10000	
Molybdenum	0	0	100	0.0033348	1000	0.0035305					10000	0.0034557
Nickel	0	0	100	0.0031373	1000	0.0031753					10000	0.0031236
Potassium	0	0	1000	1.164E-05	10000	1.3607E-05						
Selenium	0	0	100	0.0003424	1000	0.0003489					10000	3.3878E-04
Silver	0	0	20	0.0000515	500	4.888E-05	2000	5.0915E-05				
Sodium	0	0	1000		50000	5.6688E-05						
Strontium	0	0	100	0.00154	1000	0.001538					10000	0.001551
Thallium	0	0	100	0.0007386	1000	7.4009E-04					10000	7.3493E-04
Tin	0	0	50	0.0011524	1000	0.0012081					5000	1.19444E-03
Titanium	0	0	100	0.0001845	1000	1.8746E-04					10000	1.9426E-04
Vanadium	0	0	100	0.0000401	1000	4.073E-05					10000	3.9864E-05
Zinc	0	0	100	0.0064659	1000	0.0067268					10000	0.0065238
Aluminum	0	0	5000	2.1174E-05	10000	2.1329E-05			500000	2.051E-05		
Antimony	0	0	100	0.000556	1000	6.0829E-04					10000	0.0005877
Arsenic	0	0	100	0.0002901	1000	3.2623E-04					10000	0.0003127
Barium	0	0	50	0.0105004	1000	0.010273	5000	0.010161				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

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	0.0021615	1000	0.0021819					10000	0.0021287
Boron	0	0	50	0.0000152	1000	1.629E-05					5000	1.5898E-05
Cadmium	0	0	100	0.016094	1000	0.016804					10000	0.015854
Calcium	0	0	1100	6.040909E-05	50000	5.8074E-05					10000	
Chromium	0	0	100	0.0000407	1000	4.141E-05					10000	4.1048E-05
Cobalt	0	0	100	0.004504	1000	0.0045975					10000	0.0046621
Copper	0	0	100	7.189999E-05	1000	6.776E-05					10000	6.8128E-05
Iron	0	0	5100	1.593726E-05	10000	1.5312E-05			500000	1.53688E-05	10000	
Lead	0	0	100	0.0010982	1000	0.0011095					10000	0.0011373
Magnesium	0	0	5100		50000	1.8434E-06			500000	1.84662E-06	10000	
Manganese	0	0	100	0.0002648	1000	2.6507E-04	10000	2.6466E-04			10000	
Molybdenum	0	0	100	0.0033348	1000	0.0035305					10000	0.0034557
Nickel	0	0	100	0.0031373	1000	0.0031753					10000	0.0031236
Potassium	0	0	1000	1.164E-05	10000	1.3607E-05						
Selenium	0	0	100	0.0003424	1000	0.0003489					10000	3.3878E-04
Silver	0	0	20	0.0000515	500	4.888E-05	2000	5.0915E-05				
Sodium	0	0	1000		50000	5.6688E-05						
Strontium	0	0	100	0.00154	1000	0.001538					10000	0.001551
Thallium	0	0	100	0.0007386	1000	7.4009E-04					10000	7.3493E-04
Tin	0	0	50	0.0011524	1000	0.0012081					5000	1.19444E-03
Titanium	0	0	100	0.0001845	1000	1.8746E-04					10000	1.9426E-04
Vanadium	0	0	100	0.0000401	1000	4.073E-05					10000	3.9864E-05
Zinc	0	0	100	0.0064659	1000	0.0067268					10000	0.0065238

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	0.0000579								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.8873E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3824E-05										
Selenium												
Silver												
Sodium	100000	5.6729E-05	500000	5.4822E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2132004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	5/11/12 8:29 5/11/12 9:03

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	0.0000579								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.8873E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.3824E-05										
Selenium												
Silver												
Sodium	100000	5.6729E-05	500000	5.4822E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2132004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/11/12 8:29	5/11/12 9:03

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.575325E-05	66.70479	17.99556	196.1523	0.9999995		0.998	
Antimony	4.379975E-04	66.84726	1.02858	140.0701	0.9999841		0.998	
Arsenic	2.322575E-04	66.97479	8.930315	175.7281	0.9999763		0.998	
Barium	0.0077336	66.69166	3.337983	179.2052	0.9999955		0.998	
Beryllium	1.618025E-03	66.68042	2.69012	171.5861	0.9999941		0.998	
Boron	1.1847E-05	66.77517	2.341015	123.0043	0.9999723		0.998	
Cadmium	0.012188	66.74876	3.732195	174.2595	0.9999649		0.998	
Calcium	4.409577E-05	66.71713	1.70111	173.095	0.9999999		0.998	
Chromium	3.07895E-05	66.67331	16.88157	193.1075	0.9999991		0.998	
Cobalt	0.0034409	66.69334	4.721312	180.1674	0.9999983		0.998	
Copper	5.1947E-05	66.76388	0.9765925	51.80132	0.9999987		0.998	
Iron	1.165451E-05	66.71068	12.29166	193.369	0.9999998		0.998	
Lead	8.3625E-04	66.69561	11.55229	188.8957	0.9999944		0.998	
Magnesium	1.39433E-06	66.68207	46.83674	198.2395	0.9999768		0.998	
Manganese	1.986325E-04	66.66672	1.821665	135.4487	1		0.998	
Molybdenum	2.58025E-03	66.73986	154.8794	199.5577	0.9999945		0.998	
Nickel	2.35905E-03	66.67311	11.08359	194.2065	0.9999973		0.998	
Potassium	9.76775E-06	67.42106	2.079092	166.2737	0.9999997		0.998	
Selenium	2.5752E-04	66.68649	1.436927	77.32934	0.9999927		0.998	
Silver	3.782375E-05	66.73274	4.113597	158.1065	0.9998843		0.998	
Sodium	4.205975E-05	66.7002	4.22191	167.8076	0.9999543		0.998	
Strontium	1.15725E-03	66.66849	4.4224	181.4784	0.9999994		0.998	
Thallium	5.53405E-04	66.66781	4.603863	186.901	0.9999993		0.998	
Tin	8.88735E-04	66.71999	75.39127	198.6161	0.9999935		0.998	
Titanium	1.41555E-04	66.72912	21.58929	196.2758	0.9999887		0.998	
Vanadium	3.01735E-05	66.67767	3.90564	163.9362	0.9999957		0.998	
Zinc	4.929125E-03	66.70529	10.56662	192.5409	0.99999		0.998	
Aluminum	1.575325E-05	66.70479	17.99556	196.1523	0.9999995		0.998	
Antimony	4.379975E-04	66.84726	1.02858	140.0701	0.9999841		0.998	
Arsenic	2.322575E-04	66.97479	8.930315	175.7281	0.9999763		0.998	
Barium	0.0077336	66.69166	3.337983	179.2052	0.9999955		0.998	
Beryllium	1.618025E-03	66.68042	2.69012	171.5861	0.9999941		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_051	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2132004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	5/11/12 8:29	5/11/12 9:03

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.1847E-05	66.77517	2.341015	123.0043	0.9999723		0.998	
Cadmium	0.012188	66.74876	3.732195	174.2595	0.9999649		0.998	
Calcium	4.409577E-05	66.71713	1.70111	173.095	0.9999999		0.998	
Chromium	3.07895E-05	66.67331	16.88157	193.1075	0.9999991		0.998	
Cobalt	0.0034409	66.69334	4.721312	180.1674	0.9999983		0.998	
Copper	5.1947E-05	66.76388	0.9765925	51.80132	0.9999987		0.998	
Iron	1.165451E-05	66.71068	12.29166	193.369	0.9999998		0.998	
Lead	8.3625E-04	66.69561	11.55229	188.8957	0.9999944		0.998	
Magnesium	1.39433E-06	66.68207	46.83674	198.2395	0.9999768		0.998	
Manganese	1.986325E-04	66.66672	1.821665	135.4487	1		0.998	
Molybdenum	2.58025E-03	66.73986	154.8794	199.5577	0.9999945		0.998	
Nickel	2.35905E-03	66.67311	11.08359	194.2065	0.9999973		0.998	
Potassium	9.76775E-06	67.42106	2.079092	166.2737	0.9999997		0.998	
Selenium	2.5752E-04	66.68649	1.436927	77.32934	0.9999927		0.998	
Silver	3.782375E-05	66.73274	4.113597	158.1065	0.9998843		0.998	
Sodium	4.205975E-05	66.7002	4.22191	167.8076	0.9999543		0.998	
Strontium	1.15725E-03	66.66849	4.4224	181.4784	0.9999994		0.998	
Thallium	5.53405E-04	66.66781	4.603863	186.901	0.9999993		0.998	
Tin	8.88735E-04	66.71999	75.39127	198.6161	0.9999935		0.998	
Titanium	1.41555E-04	66.72912	21.58929	196.2758	0.9999887		0.998	
Vanadium	3.01735E-05	66.67767	3.90564	163.9362	0.9999957		0.998	
Zinc	4.929125E-03	66.70529	10.56662	192.5409	0.99999		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0541

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-01
Sampled:	04/23/12 12:36	Received:	04/24/12 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	2D30001	04/30/12 14:01
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2D25005	04/26/12 12:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	109	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 15:15
16887-00-6	Chloride	8.89	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 19:37
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E11009	05/11/12 13:40
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 15:15
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 19:37

ANALYSIS DATA SHEET

GW0542

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/23/12 10:24
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204127-03
Received: 04/24/12 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	2D30001	04/30/12 14:02
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2D25005	04/26/12 12:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	110	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 15:18
16887-00-6	Chloride	8.22	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 20:29
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E11009	05/11/12 13:41
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 15:18
14808-79-8	Sulfate as SO4	29.0	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 20:29

ANALYSIS DATA SHEET

GW0620

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/23/12 09:54
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204127-05
Received: 04/24/12 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	2D30001	04/30/12 14:03
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D25005	04/26/12 12:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	107	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 15:40
16887-00-6	Chloride	15.9	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 20:47
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E11009	05/11/12 13:43
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 15:40
14808-79-8	Sulfate as SO4	44.5	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 20:47

ANALYSIS DATA SHEET

GW0621

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-07
Sampled:	04/23/12 09:54	Received:	04/24/12 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	2D30001	04/30/12 14:06
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D25005	04/26/12 12:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	111	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 15:44
16887-00-6	Chloride	15.8	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 21:04
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E11009	05/11/12 13:44
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 15:44
14808-79-8	Sulfate as SO4	44.6	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 21:04

ANALYSIS DATA SHEET

GW0622

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204127-09
Sampled:	04/23/12 12:59	Received:	04/24/12 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	2D30001	04/30/12 14:07
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D25005	04/26/12 12:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 15:47
16887-00-6	Chloride	9.46	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 21:22
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E11009	05/11/12 13:46
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 15:47
14808-79-8	Sulfate as SO4	34.2	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 21:22

ANALYSIS DATA SHEET

GW0540

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-01
Sampled:	04/23/12 15:00	Received:	04/25/12 08:35
% 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	2E07002	05/07/12 14:26
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D30014	04/30/12 16:09
71-52-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 15:51
16887-00-6	Chloride	13.7	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 22:49
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:07
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 15:51
14808-79-8	Sulfate as SO4	32.2	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 22:49

ANALYSIS DATA SHEET

GW0558

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-03
Sampled:	04/24/12 10:17	Received:	04/25/12 08:35
% 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	2E07002	05/07/12 14:27
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D30014	04/30/12 16:10
71-52-3	Alkalinity, Bicarbonate (as CACO3)	94.2	1.00	1.00	1.00	1		SM2320B	2E02019	05/02/12 15:16
16887-00-6	Chloride	26.9	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 21:39
NA	Nitrate/Nitrite as N	0.706	0.250	0.750	1.50	1	J N	E353.2	2E08013	05/08/12 13:08
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E02019	05/02/12 15:16
14808-79-8	Sulfate as SO4	49.1	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 21:39

ANALYSIS DATA SHEET

GW0559

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-05
Sampled:	04/24/12 13:25	Received:	04/25/12 08:35
% 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	2E07002	05/07/12 14:30
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D30014	04/30/12 16:13
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 15:55
16887-00-6	Chloride	23.9	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 23:06
NA	Nitrate/Nitrite as N	0.514	0.250	0.750	1.50	1	J N	E353.2	2E08013	05/08/12 13:13
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 15:55
14808-79-8	Sulfate as SO4	60.1	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 23:06

ANALYSIS DATA SHEET

GW0566

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-07
Sampled:	04/24/12 11:06	Received:	04/25/12 08:35
% 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	2E07002	05/07/12 14:31
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D30014	04/30/12 16:14
71-52-3	Alkalinity, Bicarbonate (as CACO3)	112	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 16:00
16887-00-6	Chloride	7.19	0.170	0.330	0.500	1		E300.0	2D26021	04/26/12 23:59
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:14
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 16:00
14808-79-8	Sulfate as SO4	28.3	0.330	1.00	2.00	1		E300.0	2D26021	04/26/12 23:59

ANALYSIS DATA SHEET

GW0567

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-09
Sampled:	04/24/12 13:26	Received:	04/25/12 08:35
% 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	2E07002	05/07/12 14:32
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D30014	04/30/12 16:15
71-52-3	Alkalinity, Bicarbonate (as CACO3)	128	1.00	1.00	1.00	1		SM2320B	2E02019	05/02/12 15:28
16887-00-6	Chloride	12.4	0.170	0.330	0.500	1		E300.0	2D26021	04/27/12 00:16
NA	Nitrate/Nitrite as N	0.632	0.250	0.750	1.50	1	J N	E353.2	2E08013	05/08/12 13:16
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E02019	05/02/12 15:28
14808-79-8	Sulfate as SO4	35.2	0.330	1.00	2.00	1		E300.0	2D26021	04/27/12 00:16

ANALYSIS DATA SHEET

GW0568

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-11
Sampled:	04/24/12 13:26	Received:	04/25/12 08:35
% 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	2E07002	05/07/12 14:33
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D30014	04/30/12 16:16
71-52-3	Alkalinity, Bicarbonate (as CACO3)	132	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 16:04
16887-00-6	Chloride	12.4	0.170	0.330	0.500	1		E300.0	2D26021	04/27/12 00:34
NA	Nitrate/Nitrite as N	0.615	0.250	0.750	1.50	1	J N	E353.2	2E08013	05/08/12 13:17
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 16:04
14808-79-8	Sulfate as SO4	35.5	0.330	1.00	2.00	1		E300.0	2D26021	04/27/12 00:34

ANALYSIS DATA SHEET

GW0619

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204139-13
Sampled:	04/23/12 15:31	Received:	04/25/12 08:35
% 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	2E07002	05/07/12 14:34
18496-25-8	Sulfide		0.690	1.72	3.45	1	U	SM4500S2CF	2D30014	04/30/12 16:17
71-52-3	Alkalinity, Bicarbonate (as CACO3)	105	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 16:08
16887-00-6	Chloride	13.2	0.170	0.330	0.500	1		E300.0	2D26021	04/27/12 00:51
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:19
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 16:08
14808-79-8	Sulfate as SO4	41.8	0.330	1.00	2.00	1		E300.0	2D26021	04/27/12 00:51

ANALYSIS DATA SHEET

GW0557

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-01
Sampled:	04/24/12 16:08	Received:	04/26/12 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	2E07002	05/07/12 14:35
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D30014	04/30/12 16:18
71-52-3	Alkalinity, Bicarbonate (as CACO3)	93.8	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 16:15
16887-00-6	Chloride	35.5	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 17:42
NA	Nitrate/Nitrite as N	0.952	0.250	0.750	1.50	1	J N	E353.2	2E08013	05/08/12 13:20
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 16:15
14808-79-8	Sulfate as SO4	56.5	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 17:42

ANALYSIS DATA SHEET

GW0569

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-03
Sampled:	04/24/12 15:45	Received:	04/26/12 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	2E07002	05/07/12 14:36
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2D30014	04/30/12 16:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	258	1.00	1.00	1.00	1		SM2320B	2E01014	05/01/12 16:20
16887-00-6	Chloride	12.9	0.170	0.330	0.500	1		E300.0	2D26022	04/27/12 02:53
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:21
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E01014	05/01/12 16:20
14808-79-8	Sulfate as SO4	6.29	0.330	1.00	2.00	1		E300.0	2D26022	04/27/12 02:53

ANALYSIS DATA SHEET

GW0571

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-05
Sampled:	04/25/12 13:47	Received:	04/26/12 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	2E07002	05/07/12 14:39
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:33
71-52-3	Alkalinity, Bicarbonate (as CACO3)	160	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 10:28
16887-00-6	Chloride	16.4	0.170	0.330	0.500	1		E300.0	2D26022	04/27/12 03:11
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:23
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 10:28
14808-79-8	Sulfate as SO4	56.9	0.330	1.00	2.00	1		E300.0	2D26022	04/27/12 03:11

ANALYSIS DATA SHEET

GW0572

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/25/12 11:20
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204147-07
Received: 04/26/12 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	2E07002	05/07/12 14:40
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:34
71-52-3	Alkalinity, Bicarbonate (as CACO3)	118	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 10:40
16887-00-6	Chloride	7.50	0.170	0.330	0.500	1		E300.0	2D26022	04/27/12 03:28
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:27
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 10:40
14808-79-8	Sulfate as SO4	28.0	0.330	1.00	2.00	1		E300.0	2D26022	04/27/12 03:28

ANALYSIS DATA SHEET

GW0574

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-09
Sampled:	04/25/12 11:31	Received:	04/26/12 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	2E07002	05/07/12 14:41
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:35
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 10:45
16887-00-6	Chloride	8.54	0.170	0.330	0.500	1		E300.0	2D26022	04/27/12 03:46
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:29
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 10:45
14808-79-8	Sulfate as SO4	29.9	0.330	1.00	2.00	1		E300.0	2D26022	04/27/12 03:46

ANALYSIS DATA SHEET

GW0575

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204147-11
Sampled:	04/25/12 14:05	Received:	04/26/12 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	2E07002	05/07/12 14:42
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:36
71-52-3	Alkalinity, Bicarbonate (as CACO3)	122	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 10:50
16887-00-6	Chloride	11.4	0.170	0.330	0.500	1		E300.0	2D26022	04/27/12 04:03
NA	Nitrate/Nitrite as N	0.602	0.250	0.750	1.50	1	J N	E353.2	2E08013	05/08/12 13:30
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 10:50
14808-79-8	Sulfate as SO4	33.9	0.330	1.00	2.00	1		E300.0	2D26022	04/27/12 04:03

ANALYSIS DATA SHEET

GW0514

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/26/12 10:50
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204161-01
Received: 04/27/12 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	2E07002	05/07/12 14:43
18496-25-8	Sulfide	1.75	0.678	1.69	3.39	1	J	SM4500S2CF	2E02006	05/02/12 12:39
71-52-3	Alkalinity, Bicarbonate (as CACO3)	181	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 10:58
16887-00-6	Chloride	57.0	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 17:59
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 10:58
14808-79-8	Sulfate as SO4	42.0	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 17:59

ANALYSIS DATA SHEET

GW0515

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-03
Sampled:	04/26/12 14:38	Received:	04/27/12 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	2E14002	05/14/12 14:23
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2E02006	05/02/12 12:40
71-52-3	Alkalinity, Bicarbonate (as CACO3)	107	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 11:05
16887-00-6	Chloride	8.93	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 18:17
NA	Nitrate/Nitrite as N	0.315	0.250	0.750	1.50	1	J N	E353.2	2E08013	05/08/12 13:33
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 11:05
14808-79-8	Sulfate as SO4	30.1	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 18:17

ANALYSIS DATA SHEET

GW0573

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-05
Sampled:	04/25/12 16:17	Received:	04/27/12 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	2E07002	05/07/12 14:44
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2E02006	05/02/12 12:41
71-52-3	Alkalinity, Bicarbonate (as CACO3)	189	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 11:11
16887-00-6	Chloride	11.9	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 18:34
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 11:11
14808-79-8	Sulfate as SO4	25.6	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 18:34

ANALYSIS DATA SHEET

GW0594

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-07
Sampled:	04/26/12 13:47	Received:	04/27/12 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	2E14002	05/14/12 14:25
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2E02006	05/02/12 12:42
71-52-3	Alkalinity, Bicarbonate (as CACO3)	108	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 11:20
16887-00-6	Chloride	33.0	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 18:51
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U N	E353.2	2E08013	05/08/12 13:36
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 11:20
14808-79-8	Sulfate as SO4	37.4	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 18:51

ANALYSIS DATA SHEET

GW0595

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204161-09
Sampled:	04/26/12 11:36	Received:	04/27/12 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	2E14002	05/14/12 14:27
18496-25-8	Sulfide		0.678	1.69	3.39	1	U	SM4500S2CF	2E02006	05/02/12 12:43
71-52-3	Alkalinity, Bicarbonate (as CACO3)	104	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 11:32
16887-00-6	Chloride	7.40	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 19:09
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2E14012	05/14/12 12:06
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 11:32
14808-79-8	Sulfate as SO4	28.1	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 19:09

ANALYSIS DATA SHEET

GW0530

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-01
Sampled:	04/27/12 15:48	Received:	04/28/12 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	2E14002	05/14/12 14:28
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:44
71-52-3	Alkalinity, Bicarbonate (as CACO3)	77.1	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 11:39
16887-00-6	Chloride	98.3	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 19:26
NA	Nitrate/Nitrite as N	2.75	0.250	0.750	1.50	1		E353.2	2E14012	05/14/12 12:08
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 11:39
14808-79-8	Sulfate as SO4	92.6	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 19:26

ANALYSIS DATA SHEET

GW0531

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 04/27/12 13:50
% Solids: 0.00

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 1204164-03
Received: 04/28/12 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	2E14002	05/14/12 14:29
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:45
71-52-3	Alkalinity, Bicarbonate (as CACO3)	83.2	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 11:50
16887-00-6	Chloride	78.7	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 21:11
NA	Nitrate/Nitrite as N	2.34	0.250	0.750	1.50	1		E353.2	2E14012	05/14/12 12:09
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 11:50
14808-79-8	Sulfate as SO4	76.4	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 21:11

ANALYSIS DATA SHEET

GW0532

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-05
Sampled:	04/27/12 11:33	Received:	04/28/12 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	2E14002	05/14/12 14:30
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:46
71-52-3	Alkalinity, Bicarbonate (as CACO3)	93.0	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 11:55
16887-00-6	Chloride	49.3	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 21:28
NA	Nitrate/Nitrite as N	1.63	0.250	0.750	1.50	1		E353.2	2E14012	05/14/12 12:11
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 11:55
14808-79-8	Sulfate as SO4	59.4	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 21:28

ANALYSIS DATA SHEET

GW0593

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1204164-07
Sampled:	04/26/12 16:08	Received:	04/28/12 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	2E14002	05/14/12 14:31
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2E02006	05/02/12 12:47
71-52-3	Alkalinity, Bicarbonate (as CACO3)	116	1.00	1.00	1.00	1		SM2320B	2E03010	05/03/12 12:02
16887-00-6	Chloride	104	0.170	0.330	0.500	1		E300.0	2E03018	05/03/12 21:45
NA	Nitrate/Nitrite as N	0.708	0.250	0.750	1.50	1	J	E353.2	2E14012	05/14/12 12:12
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2E03010	05/03/12 12:02
14808-79-8	Sulfate as SO4	44.0	0.330	1.00	2.00	1		E300.0	2E03018	05/03/12 21:45

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_051
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

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_051
Project: Kirtland AFB 2011
Calibration: 2121005
Sequence: 2D12114

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2D12114-ICV1	Ammonia as N	2.000	2.103	105	mg/L	+/- 10.00%
2D12114-CCV1	Ammonia as N	2.000	2.111	106	mg/L	+/- 10.00%
2D12114-CCV2	Ammonia as N	2.000	2.099	105	mg/L	+/- 10.00%
2D12114-CCV3	Ammonia as N	2.000	2.094	105	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_051
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2E12211

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E12211-CCV1	Chloride	25.00	25.74	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.67	103	mg/L	+/- 10.00%
2E12211-CCV2	Chloride	25.00	25.58	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.52	102	mg/L	+/- 10.00%
2E12211-CCV3	Chloride	25.00	25.63	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.69	103	mg/L	+/- 10.00%
2E12211-CCV4	Chloride	25.00	25.79	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.89	104	mg/L	+/- 10.00%
2E12211-CCV5	Chloride	25.00	25.61	102	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.64	103	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_051
Project: Kirtland AFB 2011
Calibration: 2128001
Sequence: 2E12809

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E12809-ICV1	Ammonia as N	2.000	2.105	105	mg/L	+/- 10.00%
2E12809-CCV1	Ammonia as N	2.000	2.022	101	mg/L	+/- 10.00%
2E12809-CCV2	Ammonia as N	2.000	2.077	104	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_051
Project: Kirtland AFB 2011
Calibration: 1335002
Sequence: 2E12907

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E12907-CCV1	Chloride	25.00	26.03	104	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.79	103	mg/L	+/- 10.00%
2E12907-CCV2	Chloride	25.00	25.68	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.44	102	mg/L	+/- 10.00%
2E12907-CCV3	Chloride	25.00	25.79	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.53	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_051
Project: Kirtland AFB 2011
Calibration: 2129002
Sequence: 2E12909

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E12909-ICV1	Nitrate/Nitrite as N	1.200	1.298	108	mg/L	+/- 10.00%
2E12909-CCV1	Nitrate/Nitrite as N	1.200	1.296	108	mg/L	+/- 10.00%
2E12909-CCV2	Nitrate/Nitrite as N	1.200	1.182	98.5	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_051
Project: Kirtland AFB 2011
Calibration: 2132005
Sequence: 2E13209

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13209-ICV1	Nitrate/Nitrite as N	1.200	1.252	104	mg/L	+/- 10.00%
2E13209-CCV1	Nitrate/Nitrite as N	1.200	1.240	103	mg/L	+/- 10.00%
2E13209-CCV2	Nitrate/Nitrite as N	1.200	1.226	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_051
Project: Kirtland AFB 2011
Calibration: 2135001
Sequence: 2E13507

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13507-ICV1	Nitrate/Nitrite as N	1.200	1.252	104	mg/L	+/- 10.00%
2E13507-CCV1	Nitrate/Nitrite as N	1.200	1.242	104	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_051
Project: Kirtland AFB 2011
Calibration: 2135003
Sequence: 2E13511

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13511-ICV1	Ammonia as N	2.000	2.079	104	mg/L	+/- 10.00%
2E13511-CCV1	Ammonia as N	2.000	2.122	106	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2E12211

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E12211-CRL1	Chloride	0.5000	0.5610	112	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5840	117	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1335002

Sequence: 2E12907

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E12907-CRL1	Chloride	0.5000	0.5570	111	mg/L	75 - 125
	Sulfate as SO4	0.5000	0.5690	114	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D25005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D25005-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D26021

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D26021-BLK1	Chloride	0.0660	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_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D26022

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D26022-BLK1	Chloride	0.132	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_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D30001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D30001-BLK2	Ammonia as N	0.0340	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2D30014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D30014-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E01014

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E01014-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E02006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E02006-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E02019

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E02019-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E03010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E03010-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_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E03018

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E03018-BLK1	Chloride	0.0670	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_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E07002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E07002-BLK1	Ammonia as N	0.0155	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E08013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E08013-BLK1	Nitrate/Nitrite as N	-0.0535	0.0500	0.300	mg/L	J	E353.2

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E11009

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E11009-BLK1	Nitrate/Nitrite as N	-0.0376	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E14002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14002-BLK1	Ammonia as N	0.00624	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2E14012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E14012-BLK1	Nitrate/Nitrite as N	-0.0367	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
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
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2D12114
Calibration: 2121005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2D12114-ICB1	Ammonia as N	-0.005154	0.110	0.300	mg/L	U	SM4500NH3BG
2D12114-CCB1	Ammonia as N	-0.0106	0.110	0.300	mg/L	U	SM4500NH3BG
2D12114-CCB2	Ammonia as N	-0.0122	0.110	0.300	mg/L	U	SM4500NH3BG
2D12114-CCB3	Ammonia as N	-0.000952	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E12211
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E12211-CCB1	Chloride	0.0670	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12211-CCB2	Chloride	0.0670	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12211-CCB3	Chloride	0.0680	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12211-CCB4	Chloride	0.156	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12211-CCB5	Chloride	0.270	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	0.117	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E12809
Calibration: 2128001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E12809-ICB1	Ammonia as N	-0.01438	0.110	0.300	mg/L	U	SM4500NH3BG
2E12809-CCB1	Ammonia as N	-0.00192	0.110	0.300	mg/L	U	SM4500NH3BG
2E12809-CCB2	Ammonia as N	0.000398	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E12907
Calibration: 1335002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E12907-CCB1	Chloride	0.0800	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2E12907-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
2E12907-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_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E12909
Calibration: 2129002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E12909-ICB1	Nitrate/Nitrite as N	-0.03229	0.0500	0.300	mg/L	U	E353.2
2E12909-CCB1	Nitrate/Nitrite as N	-0.0302	0.0500	0.300	mg/L	U	E353.2
2E12909-CCB2	Nitrate/Nitrite as N	-0.0716	0.0500	0.300	mg/L	J	E353.2

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13209
Calibration: 2132005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13209-ICB1	Nitrate/Nitrite as N	-0.03302	0.0500	0.300	mg/L	U	E353.2
2E13209-CCB1	Nitrate/Nitrite as N	-0.0326	0.0500	0.300	mg/L	U	E353.2
2E13209-CCB2	Nitrate/Nitrite as N	-0.0401	0.0500	0.300	mg/L	U	E353.2

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13507
Calibration: 2135001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13507-ICB1	Nitrate/Nitrite as N	-0.04132	0.0500	0.300	mg/L	U	E353.2
2E13507-CCB1	Nitrate/Nitrite as N	-0.0405	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_051
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13511
Calibration: 2135003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13511-ICB1	Ammonia as N	0.001378	0.110	0.300	mg/L	U	SM4500NH3BG
2E13511-CCB1	Ammonia as N	0.00322	0.110	0.300	mg/L	U	SM4500NH3BG

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D26021

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	26.94	56.59	107		80 - 120
Sulfate as SO4	27.78	49.12	78.43	106		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	55.71	104	1.57		20	80 - 120
Sulfate as SO4	27.78	77.19	101	1.60		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2D30014

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1266	ND	1044	82.5		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1025	80.9	1.87		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E02019

% Solids:

Source Sample Name: **1204139-03**

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	94.19	207.5	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	206.2	101	0.654		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0571

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03010

% Solids:

Source Sample Name: **1204147-05**

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	159.6	261.2	91.5		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	271.1	100	3.73		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0530

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E03018

% Solids:

Source Sample Name: **1204164-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	98.28	126.7	102		80 - 120
Sulfate as SO4	27.78	92.60	119.4	96.5		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	126.7	102	0.0359		20	80 - 120
Sulfate as SO4	27.78	120.1	99.0	0.580		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E07002

% Solids:

Source Sample Name: **1204139-03**

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	5.400	108		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	5.190	104	3.97		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0558

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E08013

% Solids:

Source Sample Name: **1204139-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	0.7065	3.492	111	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	3.488	111	0.143	N	20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0515

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2E14002

% Solids:

Source Sample Name: **1204161-03**

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	5.301	106		75 - 125

GW0558

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2D26021
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0558

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 2D26021-DUP1
Lab Source ID: 1204139-03
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	26.9	27.11	0.603		E300.0
Sulfate as SO4	20	49.1	49.57	0.912		E300.0

GW0530

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E03018
Preparation: pNone
Source Sample Name: GW0530

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 2E03018-DUP1
Lab Source ID: 1204164-01
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	98.3	97.90	0.390		E300.0
Sulfate as SO4	20	92.6	91.99	0.666		E300.0

GW0594

DUPLICATES

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2E14002
Preparation: pNone
Source Sample Name: GW0594

SDG: Kirtland_051
Project: Kirtland AFB 2011
Laboratory ID: 2E14002-DUP1
Lab Source ID: 1204161-07
Initial/Final: 100 mL / 100 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Ammonia as N	200	0.300 U	0.300 U			SM4500NH3BG

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D25005	Laboratory ID:	2D25005-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	833.3	104	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	800.0	833.3	104	0.00	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26021	Laboratory ID:	2D26021-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	4.866	101	90 - 110
Sulfate as SO4	24.00	24.52	102	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D26022	Laboratory ID:	2D26022-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	4.900	102	90 - 110
Sulfate as SO4	24.00	24.70	103	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D30001	Laboratory ID:	2D30001-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	5.043	101	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2D30014	Laboratory ID:	2D30014-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1167	92.2	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E01014	Laboratory ID:	2E01014-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	911.5	91.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E02006	Laboratory ID:	2E02006-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1266	1283	101	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1266	1233	97.4	3.97	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E02019	Laboratory ID:	2E02019-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_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03010	Laboratory ID:	2E03010-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

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E03018	Laboratory ID:	2E03018-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	5.072	106	90 - 110
Sulfate as SO4	24.00	24.31	101	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E07002	Laboratory ID:	2E07002-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	5.010	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E08013	Laboratory ID:	2E08013-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	1.750	104	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E11009	Laboratory ID:	2E11009-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	1.680	99.4	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14002	Laboratory ID:	2E14002-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	4.982	99.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2E14012	Laboratory ID:	2E14012-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	1.656	98.0	90 - 110

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D25005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/25/12 07:43	295.00	200.00
GW0542	1204127-03	04/25/12 07:43	295.00	200.00
GW0620	1204127-05	04/25/12 07:43	270.00	200.00
GW0621	1204127-07	04/25/12 07:43	270.00	200.00
GW0622	1204127-09	04/25/12 07:43	290.00	200.00
Blank	2D25005-BLK1	04/25/12 07:43	250.00	200.00
LCS	2D25005-BS1	04/25/12 07:43	3.00	250.00
LCS Dup	2D25005-BSD1	04/25/12 07:43	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D26021 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/26/12 15:19	5.00	5.00
GW0542	1204127-03	04/26/12 15:19	5.00	5.00
GW0620	1204127-05	04/26/12 15:19	5.00	5.00
GW0621	1204127-07	04/26/12 15:19	5.00	5.00
GW0622	1204127-09	04/26/12 15:19	5.00	5.00
GW0540	1204139-01	04/26/12 15:19	5.00	5.00
GW0558	1204139-03	04/26/12 15:19	5.00	5.00
GW0559	1204139-05	04/26/12 15:19	5.00	5.00
GW0566	1204139-07	04/26/12 15:19	5.00	5.00
GW0567	1204139-09	04/26/12 15:19	5.00	5.00
GW0568	1204139-11	04/26/12 15:19	5.00	5.00
GW0619	1204139-13	04/26/12 15:19	5.00	5.00
Blank	2D26021-BLK1	04/26/12 15:19	5.00	5.00
LCS	2D26021-BS1	04/26/12 15:19	5.00	5.00
GW0558	2D26021-DUP1	04/26/12 15:19	5.00	5.00
GW0558	2D26021-MS1	04/26/12 15:19	22.50	25.00
GW0558	2D26021-MSD1	04/26/12 15:19	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D26022 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0569	1204147-03	04/26/12 15:21	5.00	5.00
GW0571	1204147-05	04/26/12 15:21	5.00	5.00
GW0572	1204147-07	04/26/12 15:21	5.00	5.00
GW0574	1204147-09	04/26/12 15:21	5.00	5.00
GW0575	1204147-11	04/26/12 15:21	5.00	5.00
Blank	2D26022-BLK1	04/26/12 15:21	5.00	5.00
LCS	2D26022-BS1	04/26/12 15:21	5.00	5.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D30001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	04/30/12 06:25	100.00	100.00
GW0542	1204127-03	04/30/12 06:25	100.00	100.00
GW0620	1204127-05	04/30/12 06:25	100.00	100.00
GW0621	1204127-07	04/30/12 06:25	100.00	100.00
GW0622	1204127-09	04/30/12 06:25	100.00	100.00
Blank	2D30001-BLK2	04/30/12 06:25	100.00	100.00
LCS	2D30001-BS1	04/30/12 06:25	100.00	100.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2D30014 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0540	1204139-01	04/30/12 10:23	270.00	200.00
GW0558	1204139-03	04/30/12 10:23	290.00	200.00
GW0559	1204139-05	04/30/12 10:23	290.00	200.00
GW0566	1204139-07	04/30/12 10:23	290.00	200.00
GW0567	1204139-09	04/30/12 10:23	290.00	200.00
GW0568	1204139-11	04/30/12 10:23	290.00	200.00
GW0619	1204139-13	04/30/12 10:23	290.00	200.00
GW0557	1204147-01	04/30/12 10:23	270.00	200.00
GW0569	1204147-03	04/30/12 10:23	270.00	200.00
Blank	2D30014-BLK1	04/30/12 10:23	250.00	200.00
LCS	2D30014-BS1	04/30/12 10:23	3.00	250.00
GW0558	2D30014-MS1	04/30/12 10:23	3.00	290.00
GW0558	2D30014-MSD1	04/30/12 10:23	3.00	290.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E01014 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01	05/01/12 12:59	25.00	25.00
GW0542	1204127-03	05/01/12 12:59	25.00	25.00
GW0620	1204127-05	05/01/12 12:59	25.00	25.00
GW0621	1204127-07	05/01/12 12:59	25.00	25.00
GW0622	1204127-09	05/01/12 12:59	25.00	25.00
GW0540	1204139-01	05/01/12 12:59	25.00	25.00
GW0559	1204139-05	05/01/12 12:59	25.00	25.00
GW0566	1204139-07	05/01/12 12:59	25.00	25.00
GW0568	1204139-11	05/01/12 12:59	25.00	25.00
GW0619	1204139-13	05/01/12 12:59	25.00	25.00
GW0557	1204147-01	05/01/12 12:59	25.00	25.00
GW0569	1204147-03	05/01/12 12:59	25.00	25.00
Blank	2E01014-BLK1	05/01/12 12:59	25.00	25.00
LCS	2E01014-BS1	05/01/12 12:59	5.00	25.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E02006 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0571	1204147-05	05/02/12 08:15	270.00	200.00
GW0572	1204147-07	05/02/12 08:15	270.00	200.00
GW0574	1204147-09	05/02/12 08:15	270.00	200.00
GW0575	1204147-11	05/02/12 08:15	270.00	200.00
GW0514	1204161-01	05/02/12 08:15	295.00	200.00
GW0515	1204161-03	05/02/12 08:15	295.00	200.00
GW0573	1204161-05	05/02/12 08:15	295.00	200.00
GW0594	1204161-07	05/02/12 08:15	295.00	200.00
GW0595	1204161-09	05/02/12 08:15	295.00	200.00
GW0530	1204164-01	05/02/12 08:15	270.00	200.00
GW0531	1204164-03	05/02/12 08:15	270.00	200.00
GW0532	1204164-05	05/02/12 08:15	270.00	200.00
GW0593	1204164-07	05/02/12 08:15	270.00	200.00
Blank	2E02006-BLK1	05/02/12 08:15	250.00	200.00
LCS	2E02006-BS1	05/02/12 08:15	3.00	250.00
LCS Dup	2E02006-BSD1	05/02/12 08:15	3.00	250.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E02019 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0558	1204139-03	05/02/12 13:48	25.00	25.00
GW0567	1204139-09	05/02/12 13:48	25.00	25.00
Blank	2E02019-BLK1	05/02/12 13:48	25.00	25.00
LCS	2E02019-BS1	05/02/12 13:48	5.00	25.00
GW0558	2E02019-MS1	05/02/12 13:48	22.50	25.00
GW0558	2E02019-MSD1	05/02/12 13:48	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E03010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0571	1204147-05	05/03/12 09:12	25.00	25.00
GW0572	1204147-07	05/03/12 09:12	25.00	25.00
GW0574	1204147-09	05/03/12 09:12	25.00	25.00
GW0575	1204147-11	05/03/12 09:12	25.00	25.00
GW0514	1204161-01	05/03/12 09:12	25.00	25.00
GW0515	1204161-03	05/03/12 09:12	25.00	25.00
GW0573	1204161-05	05/03/12 09:12	25.00	25.00
GW0594	1204161-07	05/03/12 09:12	25.00	25.00
GW0595	1204161-09	05/03/12 09:12	25.00	25.00
GW0530	1204164-01	05/03/12 09:12	25.00	25.00
GW0531	1204164-03	05/03/12 09:12	25.00	25.00
GW0532	1204164-05	05/03/12 09:12	25.00	25.00
GW0593	1204164-07	05/03/12 09:12	25.00	25.00
Blank	2E03010-BLK1	05/03/12 09:12	25.00	25.00
LCS	2E03010-BS1	05/03/12 09:12	5.00	25.00
GW0571	2E03010-MS1	05/03/12 09:12	22.50	25.00
GW0571	2E03010-MSD1	05/03/12 09:12	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E03018 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0557	1204147-01	05/03/12 11:39	5.00	5.00
GW0514	1204161-01	05/03/12 11:39	5.00	5.00
GW0515	1204161-03	05/03/12 11:39	5.00	5.00
GW0573	1204161-05	05/03/12 11:39	5.00	5.00
GW0594	1204161-07	05/03/12 11:39	5.00	5.00
GW0595	1204161-09	05/03/12 11:39	5.00	5.00
GW0530	1204164-01	05/03/12 11:39	5.00	5.00
GW0531	1204164-03	05/03/12 11:39	5.00	5.00
GW0532	1204164-05	05/03/12 11:39	5.00	5.00
GW0593	1204164-07	05/03/12 11:39	5.00	5.00
Blank	2E03018-BLK1	05/03/12 11:39	5.00	5.00
LCS	2E03018-BS1	05/03/12 11:39	5.00	5.00
GW0530	2E03018-DUP1	05/03/12 11:39	5.00	5.00
GW0530	2E03018-MS1	05/03/12 11:39	22.50	25.00
GW0530	2E03018-MSD1	05/03/12 11:39	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E07002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0540	1204139-01	05/07/12 06:16	100.00	100.00
GW0558	1204139-03	05/07/12 06:16	100.00	100.00
GW0559	1204139-05	05/07/12 06:16	100.00	100.00
GW0566	1204139-07	05/07/12 06:16	100.00	100.00
GW0567	1204139-09	05/07/12 06:16	100.00	100.00
GW0568	1204139-11	05/07/12 06:16	100.00	100.00
GW0619	1204139-13	05/07/12 06:16	100.00	100.00
GW0557	1204147-01	05/07/12 06:16	100.00	100.00
GW0569	1204147-03	05/07/12 06:16	100.00	100.00
GW0571	1204147-05	05/07/12 06:16	100.00	100.00
GW0572	1204147-07	05/07/12 06:16	100.00	100.00
GW0574	1204147-09	05/07/12 06:16	100.00	100.00
GW0575	1204147-11	05/07/12 06:16	100.00	100.00
GW0514	1204161-01	05/07/12 06:16	100.00	100.00
GW0573	1204161-05	05/07/12 06:16	100.00	100.00
Blank	2E07002-BLK1	05/07/12 06:16	100.00	100.00
LCS	2E07002-BS1	05/07/12 06:16	100.00	100.00
GW0558	2E07002-MS1	05/07/12 06:16	100.00	100.00
GW0558	2E07002-MSD1	05/07/12 06:16	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E08013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0540	1204139-01	05/08/12 10:56	4.00	20.00
GW0558	1204139-03	05/08/12 10:56	4.00	20.00
GW0559	1204139-05	05/08/12 10:56	4.00	20.00
GW0566	1204139-07	05/08/12 10:56	4.00	20.00
GW0567	1204139-09	05/08/12 10:56	4.00	20.00
GW0568	1204139-11	05/08/12 10:56	4.00	20.00
GW0619	1204139-13	05/08/12 10:56	4.00	20.00
GW0557	1204147-01	05/08/12 10:56	4.00	20.00
GW0569	1204147-03	05/08/12 10:56	4.00	20.00
GW0571	1204147-05	05/08/12 10:56	4.00	20.00
GW0572	1204147-07	05/08/12 10:56	4.00	20.00
GW0574	1204147-09	05/08/12 10:56	4.00	20.00
GW0575	1204147-11	05/08/12 10:56	4.00	20.00
GW0514	1204161-01	05/08/12 10:56	4.00	20.00
GW0515	1204161-03	05/08/12 10:56	4.00	20.00
GW0573	1204161-05	05/08/12 10:56	4.00	20.00
GW0594	1204161-07	05/08/12 10:56	4.00	20.00
Blank	2E08013-BLK1	05/08/12 10:56	20.00	20.00
LCS	2E08013-BS1	05/08/12 10:56	20.00	20.00
GW0558	2E08013-MS1	05/08/12 10:56	4.00	20.00
GW0558	2E08013-MSD1	05/08/12 10:56	4.00	20.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E11009 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0541	1204127-01RE1	05/11/12 12:08	4.00	20.00
GW0542	1204127-03RE1	05/11/12 12:08	4.00	20.00
GW0620	1204127-05RE1	05/11/12 12:08	4.00	20.00
GW0621	1204127-07RE1	05/11/12 12:08	4.00	20.00
GW0622	1204127-09RE1	05/11/12 12:08	4.00	20.00
Blank	2E11009-BLK1	05/11/12 12:08	20.00	20.00
LCS	2E11009-BS1	05/11/12 12:08	20.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E14002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0515	1204161-03	05/14/12 06:27	100.00	100.00
GW0594	1204161-07	05/14/12 06:27	100.00	100.00
GW0595	1204161-09	05/14/12 06:27	100.00	100.00
GW0530	1204164-01	05/14/12 06:27	100.00	100.00
GW0531	1204164-03	05/14/12 06:27	100.00	100.00
GW0532	1204164-05	05/14/12 06:27	100.00	100.00
GW0593	1204164-07	05/14/12 06:27	100.00	100.00
Blank	2E14002-BLK1	05/14/12 06:27	100.00	100.00
LCS	2E14002-BS1	05/14/12 06:27	100.00	100.00
GW0594	2E14002-DUP1	05/14/12 06:27	100.00	100.00
GW0515	2E14002-MS1	05/14/12 06:27	100.00	100.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_051

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

Batch: 2E14012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0595	1204161-09	05/14/12 08:48	4.00	20.00
GW0530	1204164-01	05/14/12 08:48	4.00	20.00
GW0531	1204164-03	05/14/12 08:48	4.00	20.00
GW0532	1204164-05	05/14/12 08:48	4.00	20.00
GW0593	1204164-07	05/14/12 08:48	4.00	20.00
Blank	2E14012-BLK1	05/14/12 08:48	20.00	20.00
LCS	2E14012-BS1	05/14/12 08:48	20.00	20.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2E01014-BS1	050112-002	05/01/12 13:45
Blank	2E01014-BLK1	050112-003	05/01/12 13:55
LCS	2E02019-BS1	050212-002	05/02/12 14:10
Blank	2E02019-BLK1	050212-003	05/02/12 14:21
GW0558	2E02019-MS1	050212-004	05/02/12 14:25
GW0558	2E02019-MSD1	050212-005	05/02/12 14:33
Blank	2E03010-BLK1	050312-003	05/03/12 10:05
GW0571	2E03010-MS1	050312-004	05/03/12 10:11
GW0571	2E03010-MSD1	050312-005	05/03/12 10:20
LCS	2E03010-BS1	050312-002	05/03/12 11:59

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_051

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	2D25005-BLK1	042612-003	04/26/12 12:00
LCS	2D25005-BS1	042612-001	04/26/12 12:01
LCS Dup	2D25005-BSD1	042612-002	04/26/12 12:02
LCS	2D30014-BS1	043012-001	04/30/12 16:00
Blank	2D30014-BLK1	043012-002	04/30/12 16:01
GW0558	2D30014-MS1	043012-012	04/30/12 16:11
GW0558	2D30014-MSD1	043012-013	04/30/12 16:12
LCS	2E02006-BS1	050212-001	05/02/12 12:30
LCS Dup	2E02006-BSD1	050212-002	05/02/12 12:31
Blank	2E02006-BLK1	050212-003	05/02/12 12:32

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
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

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12114	Instrument:	WC-Lachat
Calibration:	2121005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D12114-CAL1	M_4-30-2012_01-40-52PM-00	04/30/12 13:41
Cal Standard	2D12114-CAL2	M_4-30-2012_01-40-52PM-00	04/30/12 13:42
Cal Standard	2D12114-CAL3	M_4-30-2012_01-40-52PM-00	04/30/12 13:43
Cal Standard	2D12114-CAL4	M_4-30-2012_01-40-52PM-00	04/30/12 13:44
Cal Standard	2D12114-CAL5	M_4-30-2012_01-40-52PM-00	04/30/12 13:45
Cal Standard	2D12114-CAL6	M_4-30-2012_01-40-52PM-00	04/30/12 13:46
Cal Standard	2D12114-CAL7	M_4-30-2012_01-40-52PM-00	04/30/12 13:47
Cal Standard	2D12114-CAL8	M_4-30-2012_01-40-52PM-00	04/30/12 13:48
Initial Cal Check	2D12114-ICV1	M_4-30-2012_01-40-52PM-00	04/30/12 13:49
Initial Cal Blank	2D12114-ICB1	M_4-30-2012_01-40-52PM-01	04/30/12 13:50
LCS	2D30001-BS1	M_4-30-2012_01-40-52PM-01	04/30/12 13:52
GW0541	1204127-01	M_4-30-2012_01-40-52PM-02	04/30/12 14:01
GW0542	1204127-03	M_4-30-2012_01-40-52PM-02	04/30/12 14:02
GW0620	1204127-05	M_4-30-2012_01-40-52PM-02	04/30/12 14:03
Calibration Check	2D12114-CCV1	M_4-30-2012_01-40-52PM-02	04/30/12 14:04
Calibration Blank	2D12114-CCB1	M_4-30-2012_01-40-52PM-02	04/30/12 14:05
GW0621	1204127-07	M_4-30-2012_01-40-52PM-02	04/30/12 14:06
GW0622	1204127-09	M_4-30-2012_01-40-52PM-02	04/30/12 14:07
Calibration Check	2D12114-CCV2	M_4-30-2012_01-40-52PM-03	04/30/12 14:15
Calibration Blank	2D12114-CCB2	M_4-30-2012_01-40-52PM-03	04/30/12 14:16
Blank	2D30001-BLK2	M_4-30-2012_02-39-10PM-00	04/30/12 14:41
Calibration Check	2D12114-CCV3	M_4-30-2012_02-39-10PM-00	04/30/12 14:42
Calibration Blank	2D12114-CCB3	M_4-30-2012_02-39-10PM-00	04/30/12 14:43

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12211	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12211-CCV1	042612-003	04/26/12 16:25
Calibration Blank	2E12211-CCB1	042612-004	04/26/12 16:43
Instrument RL Check	2E12211-CRL1	042612-005	04/26/12 17:00
LCS	2D26021-BS1	042612-008	04/26/12 17:53
Blank	2D26021-BLK1	042612-009	04/26/12 18:10
GW0541	1204127-01	042612-014	04/26/12 19:37
Calibration Check	2E12211-CCV2	042612-015	04/26/12 19:55
Calibration Blank	2E12211-CCB2	042612-016	04/26/12 20:12
GW0542	1204127-03	042612-017	04/26/12 20:29
GW0620	1204127-05	042612-018	04/26/12 20:47
GW0621	1204127-07	042612-019	04/26/12 21:04
GW0622	1204127-09	042612-020	04/26/12 21:22
GW0558	1204139-03	042612-021	04/26/12 21:39
GW0558	2D26021-MS1	042612-022	04/26/12 21:57
GW0558	2D26021-MSD1	042612-023	04/26/12 22:14
GW0558	2D26021-DUP1	042612-024	04/26/12 22:32
GW0540	1204139-01	042612-025	04/26/12 22:49
GW0559	1204139-05	042612-026	04/26/12 23:06
Calibration Check	2E12211-CCV3	042612-027	04/26/12 23:24
Calibration Blank	2E12211-CCB3	042612-028	04/26/12 23:41
GW0566	1204139-07	042612-029	04/26/12 23:59
GW0567	1204139-09	042612-030	04/27/12 00:16
GW0568	1204139-11	042612-031	04/27/12 00:34
GW0619	1204139-13	042612-032	04/27/12 00:51
LCS	2D26022-BS1	042612-034	04/27/12 01:26
Blank	2D26022-BLK1	042612-035	04/27/12 01:43
Calibration Check	2E12211-CCV4	042612-037	04/27/12 02:18
Calibration Blank	2E12211-CCB4	042612-038	04/27/12 02:36
GW0569	1204147-03	042612-039	04/27/12 02:53
GW0571	1204147-05	042612-040	04/27/12 03:11
GW0572	1204147-07	042612-041	04/27/12 03:28
GW0574	1204147-09	042612-042	04/27/12 03:46

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12211	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0575	1204147-11	042612-043	04/27/12 04:03
Calibration Check	2E12211-CCV5	042612-045	04/27/12 04:38
Calibration Blank	2E12211-CCB5	042612-046	04/27/12 04:55

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12809	Instrument:	WC-Lachat
Calibration:	2128001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E12809-CAL1	)M_5-7-2012_02-13-16PM-00	05/07/12 14:14
Cal Standard	2E12809-CAL2	)M_5-7-2012_02-13-16PM-00	05/07/12 14:15
Cal Standard	2E12809-CAL3	)M_5-7-2012_02-13-16PM-00	05/07/12 14:16
Cal Standard	2E12809-CAL4	)M_5-7-2012_02-13-16PM-00	05/07/12 14:17
Cal Standard	2E12809-CAL5	)M_5-7-2012_02-13-16PM-00	05/07/12 14:18
Cal Standard	2E12809-CAL6	)M_5-7-2012_02-13-16PM-00	05/07/12 14:19
Cal Standard	2E12809-CAL7	)M_5-7-2012_02-13-16PM-00	05/07/12 14:20
Cal Standard	2E12809-CAL8	)M_5-7-2012_02-13-16PM-00	05/07/12 14:21
Initial Cal Check	2E12809-ICV1	)M_5-7-2012_02-13-16PM-00	05/07/12 14:22
Initial Cal Blank	2E12809-ICB1	)M_5-7-2012_02-13-16PM-01	05/07/12 14:23
Blank	2E07002-BLK1	)M_5-7-2012_02-13-16PM-01	05/07/12 14:24
LCS	2E07002-BS1	)M_5-7-2012_02-13-16PM-01	05/07/12 14:25
GW0540	1204139-01	)M_5-7-2012_02-13-16PM-01	05/07/12 14:26
GW0558	1204139-03	)M_5-7-2012_02-13-16PM-01	05/07/12 14:27
GW0558	2E07002-MS1	)M_5-7-2012_02-13-16PM-01	05/07/12 14:28
GW0558	2E07002-MSD1	)M_5-7-2012_02-13-16PM-01	05/07/12 14:29
GW0559	1204139-05	)M_5-7-2012_02-13-16PM-01	05/07/12 14:30
GW0566	1204139-07	)M_5-7-2012_02-13-16PM-01	05/07/12 14:31
GW0567	1204139-09	)M_5-7-2012_02-13-16PM-02	05/07/12 14:32
GW0568	1204139-11	)M_5-7-2012_02-13-16PM-02	05/07/12 14:33
GW0619	1204139-13	)M_5-7-2012_02-13-16PM-02	05/07/12 14:34
GW0557	1204147-01	)M_5-7-2012_02-13-16PM-02	05/07/12 14:35
GW0569	1204147-03	)M_5-7-2012_02-13-16PM-02	05/07/12 14:36
Calibration Check	2E12809-CCV1	)M_5-7-2012_02-13-16PM-02	05/07/12 14:37
Calibration Blank	2E12809-CCB1	)M_5-7-2012_02-13-16PM-02	05/07/12 14:38
GW0571	1204147-05	)M_5-7-2012_02-13-16PM-02	05/07/12 14:39
GW0572	1204147-07	)M_5-7-2012_02-13-16PM-02	05/07/12 14:40
GW0574	1204147-09	)M_5-7-2012_02-13-16PM-02	05/07/12 14:41
GW0575	1204147-11	)M_5-7-2012_02-13-16PM-03	05/07/12 14:42
GW0514	1204161-01	)M_5-7-2012_02-13-16PM-03	05/07/12 14:43
GW0573	1204161-05	)M_5-7-2012_02-13-16PM-03	05/07/12 14:44
Calibration Check	2E12809-CCV2	)M_5-7-2012_02-13-16PM-03	05/07/12 14:48

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12809	Instrument:	WC-Lachat
Calibration:	2128001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2E12809-CCB2	)M_5-7-2012_02-13-16PM-03	05/07/12 14:49

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12907	Instrument:	WC-IC
Calibration:	1335002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2E12907-CCV1	050312-003	05/03/12 15:40
Calibration Blank	2E12907-CCB1	050312-004	05/03/12 15:57
Instrument RL Check	2E12907-CRL1	050312-005	05/03/12 16:15
LCS	2E03018-BS1	050312-059	05/03/12 17:07
Blank	2E03018-BLK1	050312-009	05/03/12 17:24
GW0557	1204147-01	050312-010	05/03/12 17:42
GW0514	1204161-01	050312-011	05/03/12 17:59
GW0515	1204161-03	050312-012	05/03/12 18:17
GW0573	1204161-05	050312-013	05/03/12 18:34
GW0594	1204161-07	050312-014	05/03/12 18:51
GW0595	1204161-09	050312-015	05/03/12 19:09
GW0530	1204164-01	050312-016	05/03/12 19:26
GW0530	2E03018-MS1	050312-017	05/03/12 19:44
GW0530	2E03018-MSD1	050312-018	05/03/12 20:01
GW0530	2E03018-DUP1	050312-019	05/03/12 20:18
Calibration Check	2E12907-CCV2	050312-020	05/03/12 20:36
Calibration Blank	2E12907-CCB2	050312-021	05/03/12 20:53
GW0531	1204164-03	050312-022	05/03/12 21:11
GW0532	1204164-05	050312-023	05/03/12 21:28
GW0593	1204164-07	050312-024	05/03/12 21:45
Calibration Check	2E12907-CCV3	050312-032	05/04/12 00:05
Calibration Blank	2E12907-CCB3	050312-033	05/04/12 00:22

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12909	Instrument:	WC-Lachat
Calibration:	2129002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E12909-CAL1	)M_5-8-2012_12-46-32PM-00	05/08/12 12:48
Cal Standard	2E12909-CAL2	)M_5-8-2012_12-46-32PM-00	05/08/12 12:50
Cal Standard	2E12909-CAL3	)M_5-8-2012_12-46-32PM-00	05/08/12 12:51
Cal Standard	2E12909-CAL4	)M_5-8-2012_12-46-32PM-00	05/08/12 12:52
Cal Standard	2E12909-CAL5	)M_5-8-2012_12-46-32PM-00	05/08/12 12:54
Cal Standard	2E12909-CAL6	)M_5-8-2012_12-46-32PM-00	05/08/12 12:55
Cal Standard	2E12909-CAL7	)M_5-8-2012_12-46-32PM-00	05/08/12 12:57
Cal Standard	2E12909-CAL8	)M_5-8-2012_12-46-32PM-00	05/08/12 12:58
Initial Cal Check	2E12909-ICV1	)M_5-8-2012_12-46-32PM-00	05/08/12 13:00
Initial Cal Blank	2E12909-ICB1	)M_5-8-2012_12-46-32PM-01	05/08/12 13:01
Blank	2E08013-BLK1	)M_5-8-2012_12-46-32PM-01	05/08/12 13:04
LCS	2E08013-BS1	)M_5-8-2012_12-46-32PM-01	05/08/12 13:05
GW0540	1204139-01	)M_5-8-2012_12-46-32PM-01	05/08/12 13:07
GW0558	1204139-03	)M_5-8-2012_12-46-32PM-01	05/08/12 13:08
GW0558	2E08013-MS1	)M_5-8-2012_12-46-32PM-01	05/08/12 13:10
GW0558	2E08013-MSD1	)M_5-8-2012_12-46-32PM-01	05/08/12 13:11
GW0559	1204139-05	)M_5-8-2012_12-46-32PM-01	05/08/12 13:13
GW0566	1204139-07	)M_5-8-2012_12-46-32PM-01	05/08/12 13:14
GW0567	1204139-09	)M_5-8-2012_12-46-32PM-02	05/08/12 13:16
GW0568	1204139-11	)M_5-8-2012_12-46-32PM-02	05/08/12 13:17
GW0619	1204139-13	)M_5-8-2012_12-46-32PM-02	05/08/12 13:19
GW0557	1204147-01	)M_5-8-2012_12-46-32PM-02	05/08/12 13:20
GW0569	1204147-03	)M_5-8-2012_12-46-32PM-02	05/08/12 13:21
GW0571	1204147-05	)M_5-8-2012_12-46-32PM-02	05/08/12 13:23
Calibration Check	2E12909-CCV1	)M_5-8-2012_12-46-32PM-02	05/08/12 13:24
Calibration Blank	2E12909-CCB1	)M_5-8-2012_12-46-32PM-02	05/08/12 13:26
GW0572	1204147-07	)M_5-8-2012_12-46-32PM-02	05/08/12 13:27
GW0574	1204147-09	)M_5-8-2012_12-46-32PM-02	05/08/12 13:29
GW0575	1204147-11	)M_5-8-2012_12-46-32PM-03	05/08/12 13:30
GW0514	1204161-01	)M_5-8-2012_12-46-32PM-03	05/08/12 13:32
GW0515	1204161-03	)M_5-8-2012_12-46-32PM-03	05/08/12 13:33
GW0573	1204161-05	)M_5-8-2012_12-46-32PM-03	05/08/12 13:35

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E12909	Instrument:	WC-Lachat
Calibration:	2129002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0594	1204161-07	)M_5-8-2012_12-46-32PM-03	05/08/12 13:36
Calibration Check	2E12909-CCV2	)M_5-8-2012_12-46-32PM-03	05/08/12 13:42
Calibration Blank	2E12909-CCB2	)M_5-8-2012_12-46-32PM-03	05/08/12 13:43

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13209	Instrument:	WC-Lachat
Calibration:	2132005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13209-CAL1	M_5-11-2012_01-00-12PM-00	05/11/12 13:01
Cal Standard	2E13209-CAL2	M_5-11-2012_01-00-12PM-00	05/11/12 13:02
Cal Standard	2E13209-CAL3	M_5-11-2012_01-00-12PM-00	05/11/12 13:04
Cal Standard	2E13209-CAL4	M_5-11-2012_01-00-12PM-00	05/11/12 13:05
Cal Standard	2E13209-CAL5	M_5-11-2012_01-00-12PM-00	05/11/12 13:06
Cal Standard	2E13209-CAL6	M_5-11-2012_01-00-12PM-00	05/11/12 13:08
Cal Standard	2E13209-CAL7	M_5-11-2012_01-00-12PM-00	05/11/12 13:09
Cal Standard	2E13209-CAL8	M_5-11-2012_01-00-12PM-00	05/11/12 13:11
Initial Cal Check	2E13209-ICV1	M_5-11-2012_01-00-12PM-00	05/11/12 13:12
Initial Cal Blank	2E13209-ICB1	M_5-11-2012_01-00-12PM-01	05/11/12 13:14
Blank	2E11009-BLK1	M_5-11-2012_01-00-12PM-01	05/11/12 13:17
LCS	2E11009-BS1	M_5-11-2012_01-00-12PM-01	05/11/12 13:18
Calibration Check	2E13209-CCV1	M_5-11-2012_01-00-12PM-02	05/11/12 13:37
Calibration Blank	2E13209-CCB1	M_5-11-2012_01-00-12PM-02	05/11/12 13:38
GW0541	1204127-01RE1	M_5-11-2012_01-00-12PM-02	05/11/12 13:40
GW0542	1204127-03RE1	M_5-11-2012_01-00-12PM-02	05/11/12 13:41
GW0620	1204127-05RE1	M_5-11-2012_01-00-12PM-03	05/11/12 13:43
GW0621	1204127-07RE1	M_5-11-2012_01-00-12PM-03	05/11/12 13:44
GW0622	1204127-09RE1	M_5-11-2012_01-00-12PM-03	05/11/12 13:46
Calibration Check	2E13209-CCV2	M_5-11-2012_01-00-12PM-03	05/11/12 13:49
Calibration Blank	2E13209-CCB2	M_5-11-2012_01-00-12PM-03	05/11/12 13:50

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13507	Instrument:	WC-Lachat
Calibration:	2135001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13507-CAL1	M_5-14-2012_11-46-57AM-00	05/14/12 11:47
Cal Standard	2E13507-CAL2	M_5-14-2012_11-46-57AM-00	05/14/12 11:49
Cal Standard	2E13507-CAL3	M_5-14-2012_11-46-57AM-00	05/14/12 11:50
Cal Standard	2E13507-CAL4	M_5-14-2012_11-46-57AM-00	05/14/12 11:52
Cal Standard	2E13507-CAL5	M_5-14-2012_11-46-57AM-00	05/14/12 11:53
Cal Standard	2E13507-CAL6	M_5-14-2012_11-46-57AM-00	05/14/12 11:55
Cal Standard	2E13507-CAL7	M_5-14-2012_11-46-57AM-00	05/14/12 11:56
Cal Standard	2E13507-CAL8	M_5-14-2012_11-46-57AM-00	05/14/12 11:58
Initial Cal Check	2E13507-ICV1	M_5-14-2012_11-46-57AM-00	05/14/12 11:59
Initial Cal Blank	2E13507-ICB1	M_5-14-2012_11-46-57AM-01	05/14/12 12:01
Blank	2E14012-BLK1	M_5-14-2012_11-46-57AM-01	05/14/12 12:03
LCS	2E14012-BS1	M_5-14-2012_11-46-57AM-01	05/14/12 12:05
GW0595	1204161-09	M_5-14-2012_11-46-57AM-01	05/14/12 12:06
GW0530	1204164-01	M_5-14-2012_11-46-57AM-01	05/14/12 12:08
GW0531	1204164-03	M_5-14-2012_11-46-57AM-01	05/14/12 12:09
GW0532	1204164-05	M_5-14-2012_11-46-57AM-01	05/14/12 12:11
GW0593	1204164-07	M_5-14-2012_11-46-57AM-01	05/14/12 12:12
Calibration Check	2E13507-CCV1	M_5-14-2012_11-46-57AM-02	05/14/12 12:21
Calibration Blank	2E13507-CCB1	M_5-14-2012_11-46-57AM-02	05/14/12 12:22

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_051
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13511	Instrument:	WC-Lachat
Calibration:	2135003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13511-CAL1	M_5-14-2012_02-11-12PM-00	05/14/12 14:12
Cal Standard	2E13511-CAL2	M_5-14-2012_02-11-12PM-00	05/14/12 14:13
Cal Standard	2E13511-CAL3	M_5-14-2012_02-11-12PM-00	05/14/12 14:14
Cal Standard	2E13511-CAL4	M_5-14-2012_02-11-12PM-00	05/14/12 14:15
Cal Standard	2E13511-CAL5	M_5-14-2012_02-11-12PM-00	05/14/12 14:16
Cal Standard	2E13511-CAL6	M_5-14-2012_02-11-12PM-00	05/14/12 14:17
Cal Standard	2E13511-CAL7	M_5-14-2012_02-11-12PM-00	05/14/12 14:18
Cal Standard	2E13511-CAL8	M_5-14-2012_02-11-12PM-00	05/14/12 14:19
Initial Cal Check	2E13511-ICV1	M_5-14-2012_02-11-12PM-00	05/14/12 14:20
Initial Cal Blank	2E13511-ICB1	M_5-14-2012_02-11-12PM-01	05/14/12 14:21
Blank	2E14002-BLK1	M_5-14-2012_02-11-12PM-01	05/14/12 14:22
GW0515	1204161-03	M_5-14-2012_02-11-12PM-01	05/14/12 14:23
LCS	2E14002-BS1	M_5-14-2012_02-11-12PM-01	05/14/12 14:23
GW0515	2E14002-MS1	M_5-14-2012_02-11-12PM-01	05/14/12 14:24
GW0594	1204161-07	M_5-14-2012_02-11-12PM-01	05/14/12 14:25
GW0594	2E14002-DUP1	M_5-14-2012_02-11-12PM-01	05/14/12 14:26
GW0595	1204161-09	M_5-14-2012_02-11-12PM-01	05/14/12 14:27
GW0530	1204164-01	M_5-14-2012_02-11-12PM-01	05/14/12 14:28
GW0531	1204164-03	M_5-14-2012_02-11-12PM-01	05/14/12 14:29
GW0532	1204164-05	M_5-14-2012_02-11-12PM-02	05/14/12 14:30
GW0593	1204164-07	M_5-14-2012_02-11-12PM-02	05/14/12 14:31
Calibration Check	2E13511-CCV1	M_5-14-2012_02-11-12PM-02	05/14/12 14:35
Calibration Blank	2E13511-CCB1	M_5-14-2012_02-11-12PM-02	05/14/12 14:36